TECHNOLOGY DEPT.

Chemical Week INDEX

PUBLIC LIBRARY
OCT 10 1956
DETROIT

Volume 78
January-June, 1956

McGRAW-HILL PUBLISHING CO., INC.
330 West 42nd Street – New York 36, New York

A

Acetylene
Acetylene-from-natural-gas for production of acrylates ... Jan. 21 87
GAF's Calvert City plant: U.S. debut of commercial high-pressure acetylene derivatives ... Mar. 17 90
Reduced prices act as inducements for customers ... Mar. 24 83
Acrylamide – Ion-exclusion technique can be adopted to production ... Feb. 25 84
Acrylates – Acetylene-from-natural-gas for production of acrylates ... Jan. 21 87

Acrylics
Acrylic lacquer for automobiles ... Apr. 28 58
Enamels and lacquers compete for auto paint business ... Mar. 10 73
Fiber production estimates indicate lots of room for newcomers (chart & table) ... June 2 17
New lineup – American Cyanamid and Dow plan expansion ... Apr. 21 21
Rohm & Haas – acrylic route to profits ... June 9 19

Acrylonitrile
American Cyanamid and Dow plan plant expansions ... Apr. 21 21
Cyanoethylated cotton offering some encouragement – paper, jute, chemicals under investigation (table) ... June 23 40
New producers and processes expected ... Mar. 24 73
Adhesives – License agreements hard to get, Chempro develops own process ... Mar. 3 30

Advertising
Beads O'Bleach – first dry bleach to go into national distribution will advertise on TV's "The Big Surprise" ... Apr. 21 48
Independent laboratory testing – how useful are these tests as promotional material for a new product? ... Mar. 31 38
Liquids vs. powders – a major twist in heavy-duty detergents – sparks new ad fight ... Feb. 18 61
Melamine dishes in ad scrap ... June 16 57
Nalplex, new paint, gets new promotion approach ... Feb. 18 64
'Personal touch' in chemical business ads ... June 9 102
Pharmaceutical advertising – honesty pays ... May 19 56
Supplier tie-in ads ... May 5 56
Synthetic detergent promotion in Britain ... Feb. 18 62
Tags and quality symbols – swing to quality control promotion ... Mar. 31 78
Wyeth Laboratories answers publicity criticism ... Apr. 21 73

Aerosols
Antiseptics in aerosol form will include old standards as well as entirely new formulas ... May 12 40
Boom in glass-bottled products, new highs for insecticides, shaving creams, deodorants (tables) ... June 2 77
Cascade impactor for measuring aerosol particle size distribution ... Mar. 24 88
Cold-fill unit ... Mar. 10 11
Dry aerosols look like next major step for push-button products, but progress may be slow ... Mar. 17 142
Hair lacquers test sprays photographed ... Jan. 28 72
Low-cost setup cold-fills aerosols ... Apr. 21 50
Major companies getting into aerosol paint business ... Jan. 21 9
Oven cleaners: Hep, Sen Spray, Spee-Dee Oven Cleaner ... Jan. 21 70
Propellents for aerosol packaging ... May 19 113
Protective coating – tarnish inhibitor ... May 12 52
Refillable purse-size hair-spray ... June 16 46
Research – base for a future aerosol boom ... June 16 44
Shave cream suit to rise again ... Apr. 7 130
Africa – South Africa: sets for chemical spurt ... June 16 36

Agricultural chemicals
Air-borne chemicals: business soaring (chart) ... Mar. 24 24
Animal feed supplements – Washington symposium eyes stilbestrol ... Feb. 18 96
Central Farmers Fertilizer Corp. takes on role of producer ... Feb. 18 22
Co-ops a threat to ag chemical makers ... Apr. 14 82
Cotton growth-control chemicals ... Apr. 28 88
Curbing plant pests – lots of opportunities left (chart) ... May 12 36
Defoliants to speed harvesting ... Feb. 25 72
Dept. of Agriculture to spray malathion on infected Florida orchards in battle against fruit ... June 9 58
Farm market for chemical has a long way to go – NACA meeting points up expansion areas ... Mar. 31 40
Gibberellic acid as growth stimulant for certain plants ... June 23 66
NFU plans big sales ... Mar. 3 82
Neburon, substituted urea for weed control ... Apr. 28 80
Nematode control – atomic radiation may be the key ... Feb. 4 10
Phosphorus in animal feeds growing in importance ... Feb. 4 79
Sales hurt by declining farm income (chart) ... Apr. 28 20
Selling abroad – here's how you proceed in France, England, Germany ... Feb. 11 86
Selling in the Midwest ... Feb. 25 52
Sprayer for ground-spraying of fruit trees ... Feb. 25 74
Wet farming: more chemicals per acre (chart) ... Mar. 24 23
Wild oats, costliest weed – killer wanted (map) ... Jan. 7 38
Air-borne chemicals: business soaring (chart) ... Mar. 24 24
Air conditioning – Deodorant-sterilizer for air – target ... Mar. 31 46

Air Pollution
Abatement measures in proposed settlement of 53-defendant lawsuit at Houston (table) ... Apr. 28 27
Air Pollution Control Assn. 49th annual meeting – chemical companies take leading role in parley ... June 9 32
Anti-pollution legislation – industry consulted ... Jan. 21 30
Catalyst to clear the air a crying need in L. A. (chart) ... June 2 84
Fluoride appeal filed ... Jan. 14 36
Hooker's Bryant pegs pollution control as four-fold managerial responsibility ... June 9 78
Houston Chamber of Commerce hires Southwest Research Institute for a study of problems ... May 26 71
Houston chemical firms splurge on pollution-equipment to meet strict new requirements ... Feb. 4 22
Odor engineers evaluate control measures ... Jan. 28 98
Smog abatement research ... Feb. 25 84
Air Pollution Control Assn. – 49th annual meeting – chemical companies take leading role in parley ... June 9 32
Alloys – Tailoring of alloys easier by new method ... June 30 87

Aluminum
Anodizing process to insulate wire ... Mar. 31 66
European companies join to produce aluminum in Africa ... Mar. 3 16
More aluminum per car and more cars on the road mean heavier sales (chart) ... Feb. 11 28
Ziegler's TEL process yields high-purity aluminum as co-product (table) ... June 2 70
Ambergris – Thirty years in the making, synthetic ambergris is now moving out of the test tube into perfume vials ... Feb. 4 61
American Council of Independant Laboratories – Battle to keep Underwriters Laboratories on the federal tax rolls ... Apr. 28 86
American Drug Manufacturers Assn. – Drug industry plans all-together public relations campaign ... Feb. 11 24

American Institute of Chemical Engineers
Organizes industry-sponsored distillation studies ... June 9 80
33rd National meeting – process economics hold spotlight ... Mar. 17 98
American Management Assn. – National Packaging Exposition – idea supermarket ... Apr. 21 74
American Scientific Technical Research Organization (ASTRO) – Formed by five Detroit firms to bid on defense contracts ... Apr. 14 72
Amines – Oxidation inhibitors for grease ... June 30 87

Ammonia
Anhydrous ammonia distribution curtailed in the Midwest ... Feb. 25 52
Arizona not a profitable spot for new plant sites ... Mar. 31 9
Concentrated potassium carbonate new twist in hydrogen purification ... Feb. 25 83
Fertilizer consumption pattern - anhydrous ammonia slows down ... June 16 60
Florida's only ammonia producer ... Feb. 25 40
Ammonium nitrate – New nitrous oxide process ... Jan. 28 77

Aniline
Fluid-bed processing will get first commercial tryout ... May 12 73
Production and consumption 1949–1955 – climb is steadier (chart & table) ... June 23 68

Antibiotics
Bryamycin, new heart drug from culture broth of Streptomyces ... Mar. 3 62
F-17, Dept. of Agriculture's newest experimental antibiotic mixture ... Apr. 14 72
Pfizer and Cyanamid move to solve problems in selling antibiotics for flesh-food preservation ... Mar. 24 54
Tetracycline patent pile up ... Feb. 18 40
Tetracycline patent suits settled ... Apr. 7 10
Wide-spectrum prices – FTC beginning investigations ... Mar. 10 15
Antidumping Act – Import of British iron pipe – problems of getting suit before proper courts ... May 26 28
Anti-freezes – Antitrust investigation ... May 12 9
Antihistamines – Destroy chlorophyll in single-celled, plant-like Euglena ... Mar. 3 70
Antiozidants – Bid for $50–75 million market – to stop ozone deterioration of rubber ... Mar. 17 60

Antiseptic
Aloe jel burn remedies ... Jan. 7 44
First aid nontoxic antiseptics ... May 12 40

Anti-trust Act
American T&T and Western Electric consent decree settling antitrust case makes available new chemical patents ... Feb. 4 14
Antifreeze producers' records subpoenaed ... May 12 9
Antitrust enforcement is under new management, but chemical-profits policing continues unabated ... Mar. 24 29
"Big Three" antitrust case – Feb. 18–17, Apr. 28–17, May 12–9 ... June 23 17
Canadian anticombine laws ... Mar. 3 34
Danville, Ill. antitrust probe continues ... May 19 9
Du Pont cellophane case decision – June 16–17 ... June 23 21
Elektromet will have to fight its anti-trust suit ... Feb. 25 17
Government actions point up vigilance on the antitrust laws ... June 23 32
How does merger affect a firm's antitrust liability? ... June 9 30
Humphrey, Sen. H. proposes bill that means tougher enforcement of Sherman antitrust statues on individual level ... Apr. 21 32
Merger laws due to be tested soon ... May 19 40
National Lead antitrust case – no wholesale advance on mergers, says Judge Lindley ... Feb. 11 34
Policy not like to shift if Judge Victor Hansen assumes job vacated by Assistant Attorney General Stanley Barnes ... June 2 20
Politics-generated antitrust action on upswing ... Mar. 17 42
Suit filed to shake Sterling Drug hold on the Bayer tradename – Jan. 14–13 ... Mar. 31 32
Trust-busters are winning a solid victory against chemical industry ... Mar. 3 15
Assn. of American Soap and Glycerine Producers – Government setback in antitrust case ... Apr. 28 17

Atomic Energy Commission
Armour gets license to acquire 1,300 grams of uranium for new reactor ... June 23 66
Chemical processing to private industry ... Jan. 14 16
Contracts for 2.2 million lbs zirconium during each of next five years ... May 12-22, 84
Getting out of the retain market of radioisotopes ... Apr. 7 104
Ion exchange in extraction of uranium ores ... Jan. 14 58
Launches campaign: to prod chemical companies into entering commercial atomic power production ... Mar. 31 14
Less red tape in getting stable isotopes and rare earths ... Feb. 25 84
Needs 5,000 tons/year more uranium feed materials by '59 ... May 26 17
Nuclear facility operators to have licenses ... Jan. 14 66
Planning to lease uranium deposits on withdrawn public land ... Jan. 7 21
Seeking customers for uranium-magnesium-fluoride scrap ... Jan. 28 78
Unveils atom secrets ... Apr. 7 88
Will help Yankee Atomic Electric to develop and operate nuclear power plant ... June 16 74

Atomic Power
AEC launches new campaign to prod chemical companies into entering field of commercial atomic power production ... Mar. 31 14
AEC will provide testing facilities, spent fuel, and know-how to interested U.S. firms ... Jan. 14 16
Atoms for Industry – National Academy of Sciences' report on effects of atomic radiation ... June 30 80
Battelle's reactor development laboratory ... Feb. 25 61
Britain's Atomic Energy Research at Harwell, Berkshire, shows enriched uranium core rods for reactors ... June 30 80
British Atomic Energy Authority lifts veil on process of separating fission products ... Mar. 24 48
Congressional hearing to begin to determine whether full use can be made of atomic know-how under current government laws and regulations ... Feb. 4 13
Cost of power as source of energy ... Jan. 21 88
Eisenhower committed the U.S. to supply 44,000 lbs of uranium–235 for atomic power ... Mar. 3 13
France's first industrial reactor ... Jan. 28 96
Gamma radiation in chlorination of benzene using four different fission-product radiation sources (table) ... Jan. 28 54
How close is A-power? (table) ... May 12 64
Latest estimates of nuclear power costs point to problems for private plants (chart) ... Feb. 4 50
McKinney panel report contains separate reports on radiation catalysis and thermonuclear technology ... Feb. 11 53
Nation's first privately financed atomic electric power ... Mar. 10 59
Navy's first atomic research reactor nearing completion ... June 9 114
Nematode control – atomic radiation may be the key ... Feb. 4 10
Nuclear reactor for industrial research features triple protection ... June 23-44, 66
Radiation treatment for plastic wire coating ... Jan. 21 88
Sylvania Electric Products program to expand fuel element production facilities ... Apr. 21 68
Your future in nuclear energy R. E. Heiks & others (charts & tables) (report) ... Feb. 18 45
Australia – Australians install Lurgi gasification process to turn lignite into chemicals and fuels ... Jan. 21 64

Automation
Centralized control panel for Penn State's swimming pool reactor ... Mar. 31 50

Chemical companies step up technical training to keep pace with automation June 16 96
Chemical industry automations heavy in plants, light in offices (chart) Apr. 21 41
Chemical labor has no cause to fight automation Jan. 28 40
Integrated data-processing system for Diamond Alkali Mar. 24 58
Machine makes the magnetic tape for control of intricate process operations June 2 74
Materials handling automation at Northwestern Glass Co.'s, Seattle, Wash. batch plant Mar. 31 48

Automobiles
Acrylic lacquer for automobiles Apr. 28 58
Enamels and lacquers compete for auto paint business Mar. 10 73
Water-conditioning pellets for auto cooling-system ills build million-dollar enterprise for Great Products' Barton Feb. 4 84

B

Baton Rouge, La. – Here's why the area is the cynosure of many chemical companies Mar. 17 24

Battelle Memorial Institute
Chemical pretreatment: key to new titanium process Mar. 31 50
Rhenium process augurs commercial future Apr. 7 115
Batteries – GE's all-dry battery Mar. 24 70

Benzene
Gamma radiation in chlorination of benzene – estimated cost (table) Jan. 28 54
German-developed light-oil catalytic pressure refining process Jan. 7 57
New benzene hexachloride process, increased yield of gamma isomer Jan. 21 87
Russian benzene for Dow Chemical May 19 10
Benzol – Imports surge again from Iron Curtain countries (chart) June 2 34
Black liquor – Process twist recovers valuable chemical raw materials as kraft paper by-product Jan. 7 50

Bleaches
Dry bleach, Beads O'Bleach, to go into national distribution Apr. 21 48
Sodium chloride to chlorate, gets near-theoretical yields of chlorine-dioxide bleach June 23 62
Borohydrides – Potential use in preparation of diborane – precursor of pentaborane rocket fuel (table) May 26 38

Boron
Boron minerals and compounds sold or used by producers in the U.S. (chart) May 26 33
Recent surge of boron into strategic defense uses, 95% comes from California May 12 20
Brake fluids – Legislation Feb. 25 78

Business & Defense Services Administration
Conference gives advice on reinforced plastics Apr. 14 86
Sales forecast for 1956 Feb. 18 21

Butadiene
Expansion could boost U.S. production by 1957 (table) Jan. 28 80
Government won't give producers assistance in form of rapid tax write-offs Mar. 17 21
Tax-write-offs for building new plants might come Apr. 14 18
Buturate – Paper coating Jan. 28 68

C

Calcium Carbide – Oxythermal carbide process replaces electric power in BASF pilot plant May 12 60

Canada
Anticombine laws Mar. 3 34
Chemical expansion will depend on U.S. financing June 9 20
Chemical industry's economic prospects Mar. 3 15
Chemicals increased as a result of record pulp and paper production Jan. 14 80
Chemical shipments topped the $1-billion mark (chart) June 30 29
Growth of chemical industries (chart) Jan. 28 28
Merging labor groups ogle chemical workers in Canada Feb. 4 28
Mid-Canada spurt: vistas for processors (map & tables) Jan. 7 27
Speaker service promote better consumer-company rapport Jan. 28 47
Styrene patents law suit Feb. 25 21

Cancer
Ribonucleoprotein as a key to cell gelation May 26 80
Two viruses, one named Egypt 101, promising in cancer treatment Jan. 14 65
2,000 compounds to be tested against three types of mouse cancer Apr. 14 64

Catalysts
Air Pollution Foundation convinced that workable catalytic muffler can be developed (chart) June 2 84
Congress to spotlight upsurge in research Feb. 25 64
Ferrocene – polymerization catalyst Feb. 18 89
Caustic soda – Consumption in 1955 (table) May 26 98

Cellophane
Du Pont wins case as Supreme Court dismisses government's monopoly charges June 16 17
Leading the multi-million flexible film packaging market (charts & table) June 30 90
Supreme Court decision – trust-busters will find it harder to prove monopoly June 23 21

Cellulose
Free-world production and consumption capacity in chemical cellulose (chart) Jan. 21 19
Modified cellulose rides high on PVAc paint boom May 19 120

Cement
A-C-L cement process June 9 93
Lepol process heat-economizing Jan. 28 92
Oil well drilling – a major market for specialty cement Mar. 17 148
Chem Milling – Etching is taking over metal shaping jobs May 26 60
Metal-etching process teamed with aircraft June 9 52

Chemical Market Research Assn.
Coal-tar outlook, supply and demand, discussed at Pittsburgh meeting Feb. 11 75
Memorial award to Albert E. Forster June 9 130
Pittsburgh meeting discusses naphthalene-phthalic anhydride Feb. 11 73
Review and forecast of the chemical industry theme of meeting May 26 98
Chemical Progress Week – High school set – target of CPW's career counsellors Apr. 21 25
Chemical Specialties Manufacturers' Assn.– Chicago meeting June 2 76
Chemical Week – Johnson, Howard C. E. – new editor takes over June 30 13

Chemical Week Reports
Better way to plan your company's growth Bolin & Messing May 19 69
Coating: How to sell a $700-million market Harry Burrell (charts & tables) Mar. 17 70
Executive development: talent on tap J. A. Newman (chart) Jan. 21 37
Just how big a comeback are the Germans making? Karl Falk (charts & table) June 30 51
The sky's no limit Mendenhall Jr. & Mitchell (chart & table) Apr. 7 61
Your future in nuclear energy R. E. Heiks & others (charts & tables) Feb. 18 45

Chlorine
Brunswick, Ga. new chemical center May 19 19
Chlorine-caustic: up but for capital outlay (chart) June 16 34
Consumption in 1955 (table) May 26 98
Muscle Shoals plant operating at 80% of its rated capacity Jan. 21 13
One-step chlorination process for recovery of metals June 23 65
Output will reach 4.3 million tons in five years (chart) Jan. 7 73
Chlorine dioxide – Sodium chloride to chlorate, gets near-theoretical yields of chlorine dioxide bleach June 23 62
Chlortetracycline – Foreign patent suit Jan. 14 34

Chromatography
Gas chromatographs may soon be employed in chemical plants Apr. 28 79
Gas chromatographs prepare to take rapid gas analysis from laboratory to production line Apr. 21 64
Gas-liquid partition of hydrocarbons Jan. 21 91
Chrome – New yen for chrome brightens outlook for chemicals – (chart) May 19 48
Chromic acid – Mutual Chemical Div. patents new method of chromic recovery May 19 145
Chromium – Consumption in the U.S. (chart) Apr. 14 106

Citric acid
Fermentation process Apr. 7 32
Sequestering agent in secondary oil recovery Mar. 17 105

Cleaners
Cleaner business – new promotion ideas churn up competition May 19 118
Paper washcloth, moistened, for quick cleanup Apr. 14 50
Paste-type oven cleaners: Easy Aid, De-Grease-It, 1*2*3* – safer than aerosols Jan. 21 70
Stain removers for plastic dishware and polishes for copper utensils profitable job for specialties makers June 30 112
Upholstery cleaners May 26 55

Coal
Carbonization process in commercial test for chemicals production Mar. 3 69
Chemicals from coal Mar. 3 69
More chemicals from coal as steel industry keeps growing (chart) Mar. 17 51
Oxidation process for making synthesis gas will be a boost for coal and give a wider choice of sites for ammonia, methanol and Fischer-Tropsch plants (table) June 30 76
Oxygen to convert coal into synthesis gas for production of either methanol or ammonia June 2 65
Research on coal May 26 71

Coal Tar Chemicals
Coal-tar crudes – Industry registers gains (chart) June 9 43
F&DA rescinds order barring use of FD&C Red No. 32 Feb. 18 18
Koppers placing emphasis on research June 9 94
Naphthalene-phthalic anhydride – CMRA meeting Feb. 11 73
Supply-demand problems – CMRA meeting Feb. 11 75

Coatings
Acrylic lacquer for automobiles Apr. 28 58
Anti-icing chemicals for aircraft June 23 52
Buturate paper coating Jan. 28 68
Chemical coatings for wrapping paper Mar. 3 46
Coatings: How to sell a $700-million market – report Harry Burrell (charts & tables) Mar. 17 70
Enamels and lacquers compete for auto paint business Mar. 10 73
High-bake, extra-hard coatings hit Canadian markets Feb. 18 62
Hot-coating process tumbles polyethylene linings into drums May 12 57
Masonry paints – competition quickens Apr. 21 46
Polyurethanes for solderable wire coatings May 5 60
Protective coating in aerosol form – new kind of tarnish inhibitor May 12 52
Protective coating for tank cars carrying ammonium nitrate solutions Apr. 28 43
Protective coating specialists combine know-how and service to beat corrosion, contamination May 5 41
Radiation treatment for plastic wire coating Jan. 21 88
Silicone based, invisible coating May 12 42
Urea-alkyd type varnish, with vinyl resins added, for the home handy man Apr. 28 56
Cobalt – Leach processes to extract nickel and cobalt from low-grade Cuban ore Apr. 21 59
Colors – Dictionary of color names issued by NBS and ISCC Feb. 25 78

Commercial Chemical Development Assn.
Achievement award goes to Dow's Ballman for silicone work Feb. 11 95
Annual meeting – chemical and non-chemical industries seen blending Mar. 10 52
Confectionery – Radiant cooling system for candy makers Mar. 10 40

Construction
Building spurt signals new research expansion round Jan. 28 58
Lab building continues brisk Feb. 4 64
MCA expansion survey (chart) Feb. 4 15
More schools: growing market for chemicals (chart) Feb. 4 19
New plant spending for the chemical industry (chart) May 19 16
Reynolds offers to take on new role – nationwide school building expediter Feb. 18 32

Containers
Aluminum containers for shipping ammonium nitrate solutions Apr. 28 43
Can corrosion reduced by eliminating uncoatable edge of metal on inside of lid seat Mar. 24 70
Hot-coating process tumbles polyethylene linings into drums May 12 57
Irradiated-food containers – Army Quartermaster Corps ponders problem May 19 104
Liquid bulk packaging – Nest-A-Bin, new container Mar. 31 80
Midget-size corrugated box May 26 90
Polyethylene king-size container to hold corrosive radioactive materials Apr. 14 80
Reinforced plastics for defense packaging Apr. 14 86
Supersize cylinders of aluminum for transporting vegetable oils June 16 58
Telescoping cardboard unit Mar. 17 130
Tinless can research continues May 19 114
Treating wooden food containers ups fungicides sales May 19 122
Conveyors – Parke, Davis flexible conveyor lines, fluid finishing system Apr. 28 104
Cooling system uses reflectors and cold panels to absorb radiant heat Mar. 10 40

Corrosion
Chemically treated wrapping paper Mar. 3 46
Inhibitor H-51 Feb. 25 76
National Assn. of Corrosion Engineers 12th Annual Conference Mar. 24 46

Cortisone
Hecogenin may still make the grade as a cortisone precursor Apr. 14 62
Over the counter sales – FDA hearing on hydrocortisone ointments Apr. 14 48

Cosmetics
FDA Cosmetic Division Jan. 28 64
Hair spray and tint in one container May 5 84
Lipsticks – campaign in antipermanent type Jan. 28 68
Refillable purse-size hair-spray June 16 46
Shampoo – look for new promotional ideas, new products to hypo sales Mar. 24 65

Costs
Cost-justification may get more practical in pricing suits Apr. 7 55

Gamma radiation in chlorination of benzene – estimated cost of plant (table) ... Jan. 28 54
Nuclear power plants – estimated cost (table) ... May 12 64
Pollution-abatement measures costs in proposed settlement of 53-defendant lawsuit at Houston (table) ... Apr. 28 27

Cotton
Cyanoethylated (acrylonitrile-treated) cotton textiles are offering some encouragement (table) ... June 23 40
NCG treatment aimed at giving cotton fabrics longer life ... Mar. 31 65

D

Dacron – Hypalon coated Dacron, Dacralon, for radar shelters ... May 12 73
DDT – New plant in New Delhi, India ... Feb. 18 24

Defense Department
Defense essentiality of the chemical industry ... June 2 9
Hydrogen peroxide output may hit ODM's 1955 capacity goal (chart) ... Mar. 3 72
U.S. guided missiles program – report Mendenhall Jr. & Mitchell (chart & table) ... Apr. 7 61
Defoliants – new target: edible dry beans ... Feb. 25 72
Denver Research Institute – Aspeco process shale oil contract let to Stearns-Roger Mfg. Co. – June 2–23, ... June 23 60
Dermatitis – Wet-strength resins in facial tissues can cause dermatitis ... Apr. 28 52

Detergents
Alkaline detergent liability lawsuit ... Jan. 14 14
Laundry on wheels tests detergents under local conditions ... Mar. 10 75
Liquid, heavy-duty detergents, Spree & Biz introduced, Gee withdrawn from market ... May 26 10
Liquid detergents – Procter & Gamble with "Biz" and Lever with "Wisk" lock horns in first big ad battle for market ... June 9 46
Liquids vs. powders – a major twist in heavy-duty detergents – sparks new ad fight ... Feb. 18 61
1955 detergent sales census ... Mar. 24 80
Optical whitener for All ... Jan. 21 74
Synthetic detergent dumped into Atlanta fountain – firemen disperse excess suds ... June 2 80
Synthetic detergent promotion in Britain ... Feb. 18 62
Synthetic detergents and soaps consumption in U.S. and Europe (chart) ... Apr. 14 42
Synthetic sales continue to race ahead of soap ... June 2 94
Washing machines pace detergent sales, but dishwashers are a white hope (chart) ... Jan. 28 27
What do syndets do after the washing's done? Makers plan to find out ... Feb. 11 88
Wisk, liquid detergent, being marketed by Lever Bros. ... Feb. 4 10
Deuterium – Farbwerke-Hoechst heavy-water unit details ... Feb. 18 24
Diamonds – GE's synthetic diamond process kindles hope for U.S. independence of imports ... May 19 144
Diborane – Patent for making diborane from lithium hydride and boron trifluoride using tetrahydrofurane as a solvent ... Apr. 7 101
2,4,dichlorophenyl ester of benzene sulfonic acid, EM-923 – new miticide ... Jan. 28 78
Diffusion process-Best for close control of transistor impurities Bell Lab finds ... Feb. 4 54
1,2-dihydro-S-triazines – Synthesized at Children's Cancer Research Foundation in Boston ... Feb. 25 64
Dimethyl Sulfide – Process twist recovers valuable chemical raw materials as kraft paper by-product ... Jan. 7 50
Direct oxidation – Cost and corrosion factors make this the favored ethylene oxide process ... Mar. 10 38
Disinfectants – Guardian Chemical – diversifying within one field ... Mar. 24 68

Distillation
Custom refiner buys material, cleans and resells it ... June 23 58
Industry-sponsored studies ... June 9 80
Swiss add novel reflux control to wetted-wall columns for better separation of close-boiling liquids ... June 16 90

Distribution
Allied's drive for "unambiguous identity" gathers force ... Feb. 18 84
Antibiotics for flesh-food preservation – Pfizer and Cyanamid move to solve problems in selling ... Mar. 24 54
CCDA Annual Meeting – Monsanto's Gillis sees chemical and non-chemical industries blending ... Mar. 10 52
Chemical companies are recruiting distribution executives from all departments in quest for talent ... May 26 84
Chemical firms seek lower costs, try leasing transport fleets from insurance firms ... Feb. 18 78
Chemicals by ocean-going tankers (tables) ... June 2 53
Collapsible tank for dry-cargo vessel ... June 30 50
Distributor programs help dealer and supplier spur LCL sales ... Apr. 21 72
Escalator clauses in chemical sales contracts discussed at National Assn. of Purchasing Agents conferences ... Feb. 11 98
Farm co-ops fast-growing competition to ag chemical makers ... Apr. 14 82
Ferro's enlightened give-away – recruits engineers, trains them, then turns them over to customers ... Mar. 17 118
Fertilizer distribution in the Midwest curtailed ... Feb. 25 52
Fertilizer distribution program by NFU ... Mar. 3 82
Freight forwarders are coming under Congressional scrutiny ... Mar. 24 60
Freight rate increases are shaping up – traffic men gird for cost-cutting ... Jan. 7 60
Freight savings loom as result of Supreme Court ruling ... May 5 58
German purchasing agents spend a month in the U.S. studying practices and problems ... Jan. 21 60
How distributors are faring ... May 19 52
ICC orders stiff fines on slow handling of freight cars ... Apr. 7 57
ICC recommended to ease restrictions on motor carriers operations ... June 23 86
International distribution on a business-like basis ... Jan. 21 59
Intrastate tank-truck shipments control ... May 5 51
Latin America: it's a big $750-million market, but U.S. producers are losing ground to Europe ... Feb. 4 38
Liquid bulk packaging – Nest-A-Bin, new container ... Mar. 31 80
McKesson & Robbins – what's behind phenomenal growth of chemical network ... Mar. 17 110
'Milk-route' delivery system for small volume acid buyers ... June 9 100
Plant location poser – city or country?; specialties makers list nearness to markets as prime consideration ... Feb. 4 82
Predicting long-term cost trends ... Feb. 11 99
Production manager can balance production and sales ... Apr. 7 49
Purchasing agents eye cost cutting ... June 2 58
Reinforced plastics huge market in servicing the military's needs of containers and materials handling equipment ... Apr. 14 86
Scientific purchasing research influence on sales ... Apr. 28 100
Sulfur – joint barge-rail rate case ... Apr. 7 52
Symposiums as stimulus to development ... Feb. 25 49
Synthetic detergents and soaps in U.S. and Europe (chart) ... Apr. 14 42
Transportation department a source of profit ... Apr. 14 76

Drilling
Chemical pay dirt in drilling (chart) ... Mar. 24 23
Oil well drilling; a major market for specialty cement ... Mar. 17 148
Drug, Chemical & Allied Trades – Management volunteers both questions and answers in new industry poll ... Feb. 11 33

Drugs
Anileridine – new powerful analgesic ... June 2 65
Antihistamines destroy chlorophyll ... Mar. 3 70
Aspirin tablets dispensed by coin machines – threat to public health? ... May 5 82
Bayer trademark for nose drops and nose spray ... May 5 78
Bioflavonoid drugs ... Apr. 7 130
Citrate calcium carbimide for treatment of alcoholics ... June 2 65
Cytellin undergoing clinical evaluation ... Mar. 31 66
Diabetes drug, a sulfa derivative, can be taken orally ... Jan. 28 77
Diabetes drugs to be taken orally ... Feb. 25 83
Drugs, medicines and antibiotics major factor in lengthening the average life span (chart) ... Apr. 7 43
Eye solution, Smog-Pak, tailored for smog situation in L.A. ... Feb. 18 66
First Aid Cream – new medication ... Mar. 24 70
F&DA plans further modification of drug rules ... June 16 46
F&DA rewriting new-drug rules ... May 5 80
Heart drug, Bryamycin, extracted from culture broth of Streptomyces obtained from Hawaiian soil ... Mar. 3 62
Industry plans all-together public relations program ... Feb. 11 24
Krebiozen undergoes chemical analysis ... June 16 74
Mental drug, Atarax, based on piperazine ... Apr. 14 71
Mental drugs development might profit from discovery of adrenolutin in abnormal amounts in schizophrenes ... Jan. 14 66
Mental drugs – charge government scientists holding back development ... May 19 114
Mental drugs – outlook for assessing effectiveness ... June 9 111
Mental drug, Sparine promazine ... May 5 71
Muscle spasm and polio drugs ... Feb. 25 64
Parkinson's disease treatment-major developments ... Feb. 18 90
Pharmaceutical advertising – honesty pays ... May 19 56
Prolongal Benzocaine, new anesthetic from Israel ... Feb. 25 68
Promazine – newest tranquilizing drug ... Mar. 10 48
Sodium pentachlorophenate – probable key to prevention of Bilharzia ... Feb. 18 114
Sunburn prevention pill – 8 -MOP ... May 5 82
2,000 compounds for cancer cure to be screened ... Apr. 14 64
Vaccine supply situation improved ... Feb. 18 18
Warfarin – anticoagulant drug prospect ... Feb. 11 48

Dyes
Blue phthalocyanine dye features brightness, fastness ... Mar. 24 88
Carotene from citrus rind can replace coal-tar dyes for citrus fruit ... June 30 88
Citrus waste can be used to make new type of wood stain ... Feb. 18 90
Output dips as imports rise (chart) ... Apr. 28 35
Two patents shed light on DuPont's Lusane Blue B ... June 9 94
Washable leather development ... May 19 97

E

Economics
Government economists tell Congress that 1956 will be a prosperous year ... Jan. 28 21
Government's spending statistics latest rundown ... June 30 48
Electricity – Phosphors for inside lighting – target ... Mar. 17 68
Electronics – Improved photomultiplier tube ... Feb. 4 64

Enzymes
Flavor back into processed foods ... June 30 68
Miles Laboratories purchase of Takamine Laboratory – boost in enzyme production profits ... Feb. 18 23
Right enzymes to heat-processed foods can release latent flavor ... June 23 66
Epoxidation – Three new epoxy compounds are pointing for uses as intermediates, solvents, and specialty chemicals ... Jan. 21 90
Equipment – All-in-one farm equipment prepares and plants an acre in 20 minutes ... Jan. 7 42
Ethanol – Production on rise ... Mar. 24 84
Etching – Taking over metal shaping jobs ... May 26 60
Ethylbenzene – Removing compound from ethylbenzene-mixed xylene feed in fractionating tower ... Mar. 3 69

Ethylene
I.C.I. process ... Mar. 3 70
Output will hit 2 million tons/year in five years; booming plastics outlets stimulate expansion (chart) ... Feb. 4 72
Simple purification system ... Apr. 28 72

Ethylene oxide
Direct oxidation - cost and corrosion factors make this the favored process ... Mar. 10 38
Naphthachimie's Rube signs contract okaying investment of $30 million for new plant at Lavera ... Feb. 4 16
Explosions – Sun Oil's Marcus Hook plant and Hoffmann-LaRoche's Clifton headquarters ... Apr. 28 22

Explosives
Constructive applications (chart) ... Apr. 14 41
Nitroglycerine production by Biazzi process ... Jan. 7 58

Exports
African chrome ore export to the U.S. (chart) ... Apr. 14 106
Commerce Dept. eases restrictions on trade with Soviet bloc countries ... May 12 102
Insecticide - BDSA experts optimistic about future of U.S. pesticide exports ... June 23 72
Japan's exports for 1954-1955 ... Feb. 18 82
Kremlin courts underdeveloped chemical markets (chart) ... Mar. 17 51
Samples and promotional matter may be duty-free, aid foreign chemical traders ... Jan. 7 60
Soviet leaders boost chemical production, threaten U.S. export markets (charts & map) ... Mar. 10 28
U.S. chemical exporters hope new tariff concessions will mean an end to export complacency (tables) ... June 30 44
U.S.-German chemical trade (chart) ... Apr. 21 41
Violation of U.S. export - penalties of varying severity ... Jan. 7 35
What you can and can't ship behind the Iron Curtain ... Mar. 17 26
Extraction – Liquid-liquid extraction for tantalum refining process ... Apr. 28 62

F

Fair Trade
State courts cancel F-T laws ... May 26 64
Supreme Court declared fair trade contracts to be illegal price fixing ... June 23 88

Federal Trade Commission
Charges against 2 firms for violation of court order and cease-and-desist order ... June 2 29
Chemical-profits policing continues unabated, but antitrust enforcement is under new management ... Mar. 24 29

Cosmetic companies accused of discriminating ... Jan. 28 42
Cost-justification defense ... Apr. 7 55
Plastics housewares industry "Operation ethics" ... May 12 28
Wide-spectrum antibiotics prices investigations ... Mar. 10 15
Fermentation – Citric acid process ... Apr. 7 32
Ferrocene – Polymerization catalyst ... Feb. 18 89

Fertilizers
Ammonium nitrate solutions in tank cars with protective coating ... Apr. 28 43
Consumption pattern - fluid nutrients boom spreads; anhydrous ammonia slows down ... June 16 60
Co-ops a threat to ag chemical makers ... Apr. 14 82
Distribution in the Midwest curtailed ... Feb. 25 52
Emulsifiers permit insecticides and liquid fertilizers to be mixed ... Mar. 24 68
Nitrate: readying for spring markets ... Feb. 11 76
Nurish - first molybdenum-containing plant food ... Mar. 24 66
Peruvian fertilizer producer plans petrochemical plant ... Mar. 17 25
Poland's new plants make it possible for country to discontinue importing of nitrogen fertilizers ... Mar. 17 42
60% - expansion of government-owned Indian fertilizer plant ... Feb. 4 14
Stauffer's L.A. fertilizer mixing plant - old process learns a new trick ... Feb. 18 72
TVA-developed chemicals mount, but slowly (chart) ... Jan. 7 23

Fibers
Acrylic fiber production (chart & table) ... June 2 17
Carpets: new footing for synthetic fiber sales (chart) ... Feb. 18 27
Forming machine invented by Aldan Simpson being tested ... Mar. 17 106
Isotactic polyolefins bid for fiber duties ... June 16 64
Polyoxamide fibers: stronger, potentially cheaper than nylon ... Mar. 31 54
Synthetic fiber makers push productivity up by 80% in the past 10 years (chart) ... Feb. 25 29
Verel commercialization caps off rash of activity ... Mar. 24 73
Fillers – Low-cost setup cold-fills aerosols ... Apr. 21 50
Film – Edible films pet goal of research ... Jan. 28 78

Financial
Administration's water resources program goes to Congress (table) ... Jan. 28 23
Ag chemical sales hurt by declining farm income (chart) ... Apr. 28 20
Annual reports show further evidence of 1955 prosperity ... Feb. 4 9
Bank loans for small firms ... June 23 24
Canada's chemical expansion depends on U.S. financing ... June 9 20
Capital spending planned in 1956 (chart) ... June 23 28
Chemical company earnings for '55 - how 31 companies ranked (table) ... Mar. 17 22
Chemical companies spending plans (charts & tables) ... May 19 16
Chemical industry first quarter sales and earnings ... May 5 17
Credit is tight and getting tighter-here's why and what it will mean to you (chart) ... Apr. 21 18
Employee-ownership ... Mar. 3 34
FDA budget boost approval would mean hike in inspection activities ... June 9 17
Government sale of alien property ... June 30 22
Government sales of Louisville, Ky. butadiene-from-alkohol plant ... June 30 20
Government's spending statistics ... June 30 48
Inflation may be problem for business this year ... Apr. 21 9
Long-range chemical planning must link research and financing ... Feb. 18 34
Montrose Chemical to offer to public shares of common stock that have been held privately for over 20 years ... Mar. 31 14
1955 earnings reports ... Feb. 11 17
1956 chemical expansion plans ... Mar. 24 18
Royalty rates for chemical processes ... Feb. 18 70
Tight research budgeting for small firms - Consultant McNeill tells the whys and hows ... Feb. 18 102
Fire Extinguisher – Dry-chemical fire extinguisher ... Jan. 14 88
Flavonoids – Bioflavonoid drugs build up resistance to colds ... Apr. 7 130

Flavor
Enzymes put flavor back into foods ... June 30 68
Production of synthetic flavor in the U.S. (chart) ... June 23 27

Fluorine
Cleveland, Ohio, plans fluoridation of water supply ... June 9 128
Fluoride appeal filed ... Jan. 14 36
Fluoride-containing Crest dentifrice ... Jan. 28 68
Fluorinated aromatics top Air Force fungicide research ... Jan. 7 80
Water fluoridation - judges say yes, mayors silent ... Mar. 31 29
Fluorspar – Relative costs of imported and domestic acid-grade spar ... Apr. 21 91
Foams – Resilient foams market – vinyl and urethane types strive to cut latex lead ... Mar. 10 62

Food Chemicals
Carotene from citrus rind can replace coal-tar dyes for citrus fruit ... June 30 88
Enzymes to heat-processed foods can release latent flavor ... June 23 66
Food irradiation - Army Quartermaster Corps ponders problem ... May 19 104
Meat consumption rise - boost for feed additives (chart) ... Mar. 3 20

Food and Drug Administration
Additives - hearings in Washington set the pattern for future federal regulations ... Feb. 11 23
Budget boost approval would mean hike in inspection activities ... June 9 17
Cosmetic Division ... Jan. 28 64
Drug rules remodified ... June 16 46
Hearing on over-the counter sales of cortisone ... Apr. 14 48
Pennsylvania votes down revisions for food and drug laws ... Mar. 24 13
Rescinds order barring use of FD & C Red No. 32 ... Feb. 18 18
Residue rules ... May 12 42
Rewriting new-drug rules ... May 5 80
Formaldehyde – Urea-formaldehyde resins in facial tissues ... Apr. 28 52
Forming machine invented by Aldan Simpson being tested ... Mar. 17 106

Fuel
Additives - more flights, bigger planes swell chemical additive sales (chart) ... May 5 25
Ferrocene - Standard Oil of Calif. granted British patent ... Mar. 24 73
Generator to gasify low-grade fuels in powdered or granular form developed in Germany ... May 12 74
Missiles - National Distillers Products acquires Metalectro Corp. ... Mar. 31 15
Natural gas prices - how will they affect present chemical industry plans? ... Feb. 18 30
Oil shale comeback via Aspeco pyrolysis process ... June 23 60
Rocket fuels – search for more powerful propellants ... Apr. 14 72
Sylvania Electric Products program to expand fuel element production facilities ... Apr. 21 68

Fungicides
Cellulose complexed with copper for textiles ... Apr. 7 132
Fluorinated aromatics top Air Force fungicide research ... Jan. 7 80
Product liability case ... Jan. 14 14
Treating wooden food containers ups fungicide sales ... May 19 122

G

Gas
Chromatography see subject heading **Chromatography**
Compressed gas cylinder labeling controversy flares ... Mar. 10 54
Synthesis gas – coal partial oxidation process regains lost ground from natural gas and oil processes (table) ... June 30 76
Synthesis gas (for gasoline) obtained by gasifying lignite ... June 21 64

Gasoline
Additives - more flights, bigger planes swell chemical additive sales (chart) ... May 5 25
Nitroparaffin as additive ... May 12 92
Shell Oil's two-stage fluid cat-cracking process ups gasoline yields ... May 19 135
General Agreement on Tariff & Trade – New tariff concessions become effective in 22 member nations (tables) ... June 30 44
General Services Administration – Floete, Franklin G. - new agency head ... Feb. 18 23
Georgia - New big chemical center at Brunswick, Ga. ... May 19 19

Germany
Badische's oxythermal carbide process ... May 12 60
Bayer, Hoechst and BASF team up to buy Casella ... Mar. 24 17
Chemical labor costs still way below ours ... Mar. 24 30
Farben, I.G. liquidation not yet in sight ... Apr. 14 34
First high-pressure gasification installation ... Apr. 28 79
German view of U.S. buying: sound ... Jan. 21 60
How the German chemical industry shapes up today - report Karl Falk (charts & table) ... June 30 51
Patents agreement with U.S. ... Jan. 21 26
U.S.-German chemical trade (chart) ... Apr. 21 41
West Germany planning increased output of potash ... Feb. 4 76
West Germany – striving to regain world status (chart) ... June 16 33

Glass
Key to solid soda ash output (chart) ... Jan. 21 19
Stabilized lead plate glass exhibited in England ... June 9 94

Glycerine
Crude prices slipping again ... Feb. 11 83
Dual supply source: important advantage for all producers ... Feb. 18 92
Shell's improved glycerine synthesis processes ... Mar. 24 44
Shipped by seagoing tanker ... Mar. 3 87
Trio of awards spotlight latest in glycerine research ... Feb. 4 62
Two new methods of making glycerine from Allied and Shell ... Apr. 21 59
Gordon Research Conferences – Conference plans ... Mar. 24 91

Great Britain
British Atomic Energy Authority lifts veil on process of separating fission products ... Mar. 24 48
Fringe benefits – inflation causes concern ... Mar. 31 30
How Britain boosts scientific education ... May 19 38
Synthetic detergent promotion ... Feb. 18 62

Guided Missiles
Chemical process industry in the guided missile program – report (chart & table) Mendenhall Jr. & Mitchell ... Apr. 7 61
Defense Dept names special assistant in charge of country's guided missiles program ... Apr. 7 21
National Distillers Products gains foothold in missiles business by acquistion of Metalectro Corp. ... Mar. 31 15
Shock tube for missile materials study ... Apr. 14 64

H

Halogen – $55-million expansion of halogen chemicals ... Apr. 7 19

Halotestin see Hormones
Hawaii – Inhibitor H-51 made and sold in Hawaii – answer to sugar growers specific needs ... Feb. 25 76
Heat – Cement kilns are cut down to size, A-C-L heat-economizing method introduced ... Jan. 28 92
Hecogenin – Kenya team researches hecogenin from sisal ... Apr. 14 62
Heparin – Molecule components separated by soil microorganism ... Mar. 3 70

Herbicides
Agriculture scientists gang up on weeds at meeting; phenoxybutyrics considered safe ... Jan. 21 72
2,4-D being shipped to Belgian Congo to halt threat of the water hyacinth ... Mar. 17 146
British weedkiller, Tropotox, offered commercially ... June 9 60
Effective herbicide for wild oats, costliest pest on many farms (map) ... Jan. 7 38
Neburon – substituted urea for weed control ... Apr. 28 80
New crabgrass killers ... May 5 74
Phenoxy butyric acids 4(2,4-DB) 4(MCPB) will have wide commercial possibilities ... Jan. 14 66
Hexachloride – Estimated cost of making 1,000 lbs/day of gamma-benzene hexachloride (table) ... Jan. 28 54
Hexafluoride – Sulfur hexafluoride's insulating properties measured ... Jan. 21 92

Hormones
Halotestin – newest, most potent male hormone ... Apr. 21 84
Halotestin, synthesis of new male sex hormone ... Apr. 14 71
Nilevar – anabolic entry ... May 5 62
Senate probers plan investigation of Mexican hormone business ... June 9 9
Houston, Tex. – Chemical firms splurge on pollution equipment to meet strict new requirements ... Feb. 4 20
Humboldt preheater system for cement kilns ... Jan. 28 92
Hungary – Continuous Kroll process for titanium tried ... Apr. 28 79
Hydrazine – Simpler processes to replace Raschig synthesis ... Apr. 14 71

Hydrocarbons
Chromatographic instruments for analyzing ... Jan. 21 91
Rotosorber process to take hydrocarbons out of well gas ... Jan. 7 13
Hydrochloric acid – By-product in war-gas manufacturing plants ... Apr. 14 96
Hydrogen – Farbwerke-Hoechst's new heavy-water unit details ... Feb. 18 24

Hydrogen Peroxide
Nonelectrolytic process for making hydrogen peroxide ... Apr. 14 96
Output may hit ODM's 1955 capacity goal (chart) ... Mar. 3 72
Pulp bleaching ... Feb. 25 84
Hydrogen sulfide – Recovering sulfur from hydrogen sulfide ... Jan. 14 66

I

Imports
Benzol imports surge from Iron Curtain countries (chart) ... June 2 34
Chrome ore – 159,000 tons imported from South Africa in 1955 (chart) ... Apr. 14 106
Commerce Dept. data on mounting chemicals imports (table) ... May 12 76
Fluorspar – relative costs of imported and domestic acid-grade spar ... Apr. 21 91
Mexico's bid for an indigenous chemical industry – market for imports narrowing slowly (table) ... Apr. 21 28
Polyurethane foam import may raise legal questions ... Apr. 7 21
Russian benzene for Dow Chemical ... May 19 10

Samples and promotional matter may be dutyfree, aid foreign chemical traders ... Jan. 7 60
Sumner Chemical case brings test of new tariff law on protection against imports ... Feb. 11 38
Titanium – U.S. imports tripled (chart) ... Feb. 18 27
U.S. dye output dips as imports rise (chart) ... Apr. 28 35
U.S.–German chemical trade (chart) ... Apr. 21 41
U.S. will cut tariffs on 104 imported chemical products ... June 16 24

India
Damodar Valley multimillion-dollar hydroelectric and manufacturing projects (map) ... Mar. 3 24
DDT plant near New Delhi ... Feb. 18 24

Industry developments
Acrylic fiber production (chart & tables) ... June 2 17
AEC is looking to industry for $50 million worth of new uranium production capacity ... May 26 17
Airco's diversifying into chemicals brings big boost in income ... May 19 36
Aloe jel into ointment, bustling Florida enterprise ... Jan. 7 44
Bank loans for small firms ... June 23 24
Baton Rouge, La. – here's why the area is the cynosure of many chemical companies ... Mar. 17 24
Bayer, Hoechst and BASF team up to buy Casella ... Mar. 24 17
Brazil's chemical expansion ... Feb. 25 25
Building spurt signals new research expansion round ... Jan. 28 58
Butadiene capacity will expand 200,000 tons before 1957 (table) ... Jan. 28 80
Canada's chemical expansion depends on U.S. financing ... June 9 20
Campbell, Robert and associates will start potash development in Saskatchewan ... June 23 25
Canadian chemical industry aims higher in number of plants and employees (chart) ... Jan. 28 28
Capital spending planned in 1956 (chart) ... June 23 28
Central Canada's combination of oil and agriculture spells opportunity for process firms (map & tables) ... Jan. 7 27
Chemical company earnings for '55 – how 31 companies ranked (table) ... Mar. 17 22
Chemical companies spending plans (charts & tables) ... May 19 16
Chemical industry's annual report – 1955's rocketing sales (table) ... May 26 19
Chemical industry first quarter sales and earnings ... May 5 17
Chemical industry in Europe boasts fast growth rates (chart) ... May 5 26
Chemical industry – outlook for 1975 (chart) ... June 2 33
Chemical industry – what Eisenhower's plans mean ... Mar. 3 13
Chemical manufacturers for the guided missiles program – report Mendenhall Jr & Mitchell (chart & table) ... Apr. 7 61
Chemical Process Co. has done into the hotly competitive adhesives field developed new process ... Mar. 3 30
Chemical Process Co. in close alliance with heavy construction firm ... Jan. 28 22
Chemicals from coal or oil shale ... Mar. 3 69
Chlorine industry expansions (chart) ... Jan. 7 73
Coal-tar outlook, supply and demand, discussed at CMRA meeting ... Feb. 11 75
Communist countries' chemical industries seek unity ... June 23 32
Congressional okay of tougher merger rules seems sure ... Jan. 28 23
Cramet's titanium operations will be shored up by Republic Steel's purchase of a 50% interest ... Feb. 4 13
Credit is tight and getting tighter – here's why and what it will mean to you (chart) ... Apr. 21 18
Customer refiner triples processing facilities ... June 23 58
Dayton Rubber's graphical presentation of patent and sales history (chart) ... June 30 29
Diamond Alkali into the $100-million class, will expand existing plant facilities ... Jan. 21 13
Dow's expansion plans near Baton Rouge and Texas ... Mar. 3 14
Escambia's 18-month growth ... Feb. 25 40
Expenditures of U.S. chemical and allied products companies in 1953 (chart) ... Jan. 14 40
Fansteel and Kawecki tantalum expansion programs ... Apr. 28 62
Farm co-ops fast-growing competition to ag chemical makers ... Apr. 14 82
GE'S Chemical & Metallurgical Div. becoming more potent factor in chemical industry ... May 19 20
German chemical industry's comback – report – Karl Falk (charts & table) ... June 30 51
Guardian Chemical – diversifying within one field ... Mar. 24 68
Hinterland pipelines for natural gas will benefit industry generally, primarily as a fuel (table) ... Jan. 7 19
India forges a new chemical industry in the once-dying Damodar Valley (map) ... Mar. 3 24
Isocyanades – the big push is beginning ... Feb. 25 23
Joint international ventures a threat for U.S. chemical producers (table) ... May 26 26
Kawecki Chemicals – million-dollar business in new metals ... May 26 20
Kellog, M.W. entering low-pressure polyethylene production ... Feb. 25 98
Koppers plans to spend more than $100 million for expansion from sale of common stock ... Feb. 25 22
Local taxes are rising, play big part in chemical company expansion plans
Long-range chemical planning must link research and financing ... Feb. 18 34
MCA expansion survey (chart) ... Feb. 4 15
MCA's new Education Advisory Committee beckons students ... Feb. 4 26
Manitoba – Central Canada's combination of oil and agriculture spells opportunity for process firms ... Jan. 7 27
Marquette is building cement plant in Milwaukee ... Jan. 28 92
Merger of Grace, Cosden moves another step ... May 19 19
Mergers – how does merger affect a firm's antitrust liability? ... June 9 30
Mergers – in lieu of merger-chemical expansion for American Viscose ... Feb. 11 21
Mergers – no wholesale advance ban on mergers, says judge in pigments antitrust case ... Feb. 11 34
Merger of Vick and National hits obstacle ... Mar. 3 14
Merger probes seen if antimerger law enforcement funds are granted ... Mar. 31 32
Metallurgical Resources prepares to pilot-plant new process of upgrading low-grade ores ... Jan. 14 56
Mexican sulfur industry is ready to compete for world markets (map) ... May 12 18
Mexico's bid for an indigenous chemical industry – U.S. firms building in Mexico to hang onto lead over European, Japanese rivals (table) ... Apr. 21 28
Minnesota Mining stock split imminent, four new chemical divisions in operation ... Apr. 28 23
National Distillers Products turns the corner on chemical profits – expansion timetable ... Mar. 10 16
New tax laws that affect expansion ... Mar. 3 32
1956 chemical expansion plans ... Mar. 24 18
Nonchemical companies converted to chemicals – potentials in 1956 (chart) ... June 2 33
Olin Mathieson diversification circle closed, next expansions will come from within ... Mar. 17 21
Olin Mathieson starts Texaco coal partial oxidation process at its Morgantown ammonia plant (table) ... June 30 76
Pacific Coast Borax's boron expansion projects ... May 12 20
Pennsalt $55-million expansion of halogen chemicals ... Apr. 7 19
Petrochemicals are booming in Texas (map) ... Apr. 7 27
Petrochemical production in five European countries (chart) ... Apr. 7 16
Pittsburgh's chemical industry spurt (map & table) ... June 30 35
Plastics – U.S. industry tops (chart) ... Feb. 25 30
Private operation of synthetic rubber is bigger, better, growing fast after 14 months ... June 30 20
Radioisotopes – 18 companies of commercial processing ... Apr. 7 104
Reichhold Catalin merger waits for stockholder approval ... Apr. 14 17
Roanoke River plans postponed ... Apr. 28 18
Rohm & Haas – acrylic route to profits ... June 9 19
Royalty rates for chemical processes ... Feb. 18 70
St. Louis – civic, industrial rebirth (map) ... Feb. 25 35
San Francisco – chemical capital of the Golden West (map) ... May 19 31
Shulton expands chemical facilities ... Apr. 14 19
South Africa: sets for chemical spurt ... June 16 36
Soviet leaders boost chemical production, threaten U.S. export markets (charts & map) ... Mar. 10 28
State legislatures concerned about water supplies for industry expansion ... Apr. 28 31
Stauffer's new organization pattern based on product lines ... Apr. 14 26
Sterling Drug chemical activity in Puerto Rico ... Jan. 28 24
Styrene plants on a smaller scale ... Mar. 3 69
Synthetic fiber productivity attributed to mechanization (chart) ... Feb. 25 29
Tall oil expanding facilities ... May 12 104
Teen-age executive finds chemical manufacturing's good business but has snags ... Jan. 28 38
Texas – chemical plants unscathed as two towns call off series of attempted annexations ... Apr. 21 30
Texas City Chemicals becomes a cropper – here's why and what happens next ... Mar. 10 17
Thiokol to build large new rocket research center near Ogden, Utah ... June 23 23
Turco Products – specialties firm becomes important factor in metal-working business ... June 9 52
Union Carbide International's new polyethylene plant in Scotland lifting foreign sales ... Jan. 21 59
U. S. government bowing out of chemicals – still holds 29 plants ... June 9 27
Vick Chemical's three-way growth plan ... Mar. 17 30
West Germany – striving to regain world status (chart) ... June 16 33
Witco in carbon black production, polyesters are next ... Apr. 7 20

Insecticides
Bigger export markets ... June 23 72
Bio-insecticide researcher – microbes may soon vie with chemicals for insecticide service ... Apr. 21 80
CSMA emphasized the role of both sanitizing and pesticidal chemicals in maintaining public health ... June 2 76
CSMA survey (table) ... June 2 78
2,4,dichlorophenyl ester of benzene sulfonic acid effective fruit spray ... Jan. 28 78
Emulsifiers permit insecticides and liquid fertilizers to be mixed ... Mar. 24 68
Malathion to be sprayed on infected southern Florida orchards in battle against fruit fly ... June 9 58
Pesticide outlook – USDA survey; for the 1955-56 crop year ther'll be enough for all ag needs ... June 9 129
Residue tolerance ... May 12 42
Selling abroad – here's how you proceed in France, England, Germany ... Feb. 11 86
Systemic insecticide Thimet for cotton seed treatment ... Jan. 7 42
Thimet – new insecticide for cotton growers ... Mar. 24 83
Institute of Textile Technology – Cyanoethylated cotton textile research ... June 23 40

Instruments
Automatic radiation counter ... June 9 84
Cascade impactors for measuring aerosol particle size distribution ... Mar. 24 88
Chromatographs see subject heading **Chromatography** ...
Cytoanalyzer, electronic scanning and computing device ... Mar. 24 74
Dosimeters for radiation protection ... May 12 46
Evaporograph, new approach to industrial pyrometry ... Mar. 3 56
Hydrocarbon partitioners ... Jan. 21 91
Mass flowmeters bid for bulk processing jobs ... Mar. 3 50
Process stream analyzers move from the lab to the plant ... May 19 138
Spectrometer for metals analysis ... Mar. 3 66
Vacuum-fusion device for carbon in steel ... Mar. 10 51

Insulation
Anodizing process to insulate aluminum wire ... Mar. 31 66
Polyvinyl chloride as wire insulation ... Jan. 14 42
Polyvinyl chloride insulation ... Jan. 7 58
Radiation treatment for plastic wire coating ... Jan. 21 88
Ultrasonics for impregnating paper or cloth with resin varnish or asphalt ... Jan. 28 77

Insurance
How to pay for disaster – self insurance trims insurance costs ... Mar. 10 32
Interstate compensation ... Apr. 28 28

International Cooperation Administration
Chemical shipments (chart) ... Mar. 10 22
Japanese study team touring U.S. chemical plants under ICA sponsorship ... June 2 26

Ion Exchange
Anion exchange resins unveiled by Chemical Process Co. ... June 9 118
Extraction of uranium ores from acid leach solution ... Jan. 14 58
Porter column purges resin one slug at a time for continuous ion exchange ... June 9 74
Uranium separation plant recovering fissionable metal from medium and low-grade ores ... Feb. 25 104
Iron – Fluidized processes aimed at permitting iron makers to bypass the blast furnace ... Mar. 31 65
ISCC-NBS Method of Designating Colors and a Dictionary of Color Names, new book by Kenneth L. Kelly & Deane B. Judd ... Feb. 25 78

Isocyanates
More infighting – Mobay plans to triple capacity of New Martinsville W. Va. plant ... Mar. 24 18
Tolyl diisocyanate – key intermediate in polyurethanes production ... Feb. 25 23
Isotopes – Less red tape in getting stable isotopes and rare earths from AEC ... Feb. 25 84
Italy – U.S. capital investment sparked anew by new law ... Feb. 4 16

J

Japan
Exports for 1954–1955 ... Feb. 18 82
Heavy-chemical industrialists tour U.S. ... June 2 26

Jel
Aloe jel ointment for skin irritation and burns ... Jan. 7 44
Jelled alkyds for paints has giant growth potential ... June 23 50
Johnson, Howard E. – New Editor takes over ... June 10 13

K

Kilns – Cement producers cut down size of kilns for heat economy and space ..... Jan. 28 92
Kuhn column – Swiss add novel reflux control to wetted-wall columns for better separation of close-boiling liquids ..... June 16 90

L

Labeling
Compressed gas cylinder labeling – controversy flares ..... Mar. 10 54
Geneva meeting on standardized international lables for dangerous chemicals ..... Jan. 14 87
Identification of compressed gas cylinders ..... Feb. 18 17

Labor
AFL-CIO initial operating budget may be close to $10 million ..... Jan. 7 17
AFL-CIO lays plans to organize the chemical industry ..... Mar. 3 26
AFL-CIO merger means that these hostile unions will work together ..... Jan. 14 15
AFL-CIO organizing drive singles out chemical industry targets ..... June 16 17
Automation no threat to jobs ..... Jan. 28 40
Chemical companies recruiters' dealings with college placement offices ..... Jan. 14 24
Chemical strikes – sharp drop cheers industry (chart & table) ..... June 23 30
Chemical unions' drift toward unity: 38-year timetable ..... Mar. 17 34
Committee on Government Contracts – Nixon's group uses powers of education, persuasion, conciliation and negotiation ..... Mar. 24 36
Company-wide boost in pension and welfare benefits ..... Jan. 28 22
Compensation laws – legislative proposals could cost New York $10 million annually ..... Mar. 3 38
Du Pont's Belle Works employees finance their own recreation facilities ..... Mar. 17 36
Employee-ownership ..... Mar. 3 94
Employee stock purchase plans successful ..... Feb. 11 40
Fringe benefits – in Britain as in U.S. ballooning fringe benefit cause concern ..... Mar. 31 30
GAW rejected: alternates picked ..... Feb. 18 35
German labor costs still way below ours ..... Mar. 24 30
Merging labor groups ogle chemical workers in Canada ..... Feb. 4 28
New union alliance, aimed at Western chemical plants, shapes up outside the AFL-CIO ..... Mar. 10 34
Niagara Falls dispute settled ..... May 5 20
OCAW – some chemical unionists in Niagara Falls plan to go independent ..... Apr. 14 19
Off-duty pay – chemical companies get more liberal in negotiating contracts ..... Jan. 21 14
Paid holidays for chemical workers – non status quo ..... Jan. 14 19
Parke, Davis turns to algebra in determining packaging labor needs ..... May 19 60
Pension trust funds should be tax exempt – Du Pont tells IRS why ..... Apr. 21 20
Plant-by-plant bargaining in 1956, but trend is toward coordinated bargaining, wages first on all lists ..... Jan. 28 30
Southern chemical workers – new minimum wage law will eventually boost pay rates ..... Mar. 24 34
Supplementary pay plans for chemical and pharmaceutical employees ..... Mar. 17 36
Texas strike ends – central bargaining group may handle contracts ..... June 30 23
Transfer policies up-graded ..... May 5 31
Unified bargaining tactics – chemical unions' plans taking shape rapidly ..... Feb. 4 30
Unions are joiners: AFL-CIO plans organizing drive, and the independents federate ..... Feb. 18 22
Unions ask use of federal wage law to hoist pay rates in the South ..... June 16 39
Unions set date for first premerger-meeting, step up activities ..... Mar. 17 34
Wage bill for chemical and allied process industries over the past decade (chart) ..... Jan. 7 24
Wages – chemical wage rates still climbing (chart) ..... Apr. 14 30
Wages see also **Manpower, technical, Research, Selling**
Women wanted, too: chemical firms change rules on coed employment ..... Feb. 11 36
Latin America – It's a big $750-million market, but U.S. producers are losing ground to Europe ..... Feb. 4 38

Law
Alien property return review ordered by White House ..... Mar. 24 14
Antimerger bill clears House ..... June 9 36
Anti-pollution legislation is coming up in various states and cities ..... Jan. 21 30
Antitrust policies not likely to shift if Judge Victor Hansen takes over ..... June 2 20
Antitrust – two new government actions ..... June 23 32
Arkansas' state supreme court orders Olin Mathieson to pay $50,000 in a civil liability ..... June 30 40
Audio Devices monopoly of patents lawsuit ..... Apr. 28 28
Barge-rail rate case ..... Apr. 7 52
Blatnik Bill – Congressional hearings on water pollution ..... Mar. 10 18
Brake fluid regulation in Georgia ..... Feb. 25 78
Brokerage fees stopped ..... Feb. 25 42
Brown, J. Graham charges IRS with having "harassed" him and companies concerning income tax payments ..... Mar. 24 36
Building permits can't be denied because manufacturing processes create a nuisance, N.Y. Supreme Court rules ..... Mar. 24 38
Carlisle vs Maguire & Nostrip bonding agent suit ..... June 23 32
Chemical companies liable for volunteers' injuries court rules ..... Apr. 21 32
Chemical trademarks – more similarity tolerated ..... Jan. 28 42
Chicago plastics fabricator asks zoning variations to enlarge factory, neighbors protest noise and odors ..... May 19 40
Compressed gas cylinder labeling – controversy flares ..... Mar. 10 54
Compromise farm bill – chemical tally in the House ..... Apr. 21 21
Du Pont wins case as Supreme Court dismisses government's monopoly charges ..... June 16 17
FTC has no jurisdiction over packers ..... May 5 34
FTC rules on extent of stock investment in a competing company ..... June 16 40
Fair Trade laws cancelled by state courts ..... May 26 64
Fluoridation upheld ..... Mar. 24 36
Foreign trade and tariffs, alien property, food and drug laws, rubber disposal, and water pollution – issues directly affecting chemical makers that Congress must decide this session ..... Jan. 7 18
Good faith defense ..... May 12 30
Hatco vs Superior – warranty case ..... Apr. 7 36
Humphrey, Sen. H. proposes bill that means tougher enforcement of Sherman antitrust statutes on individual level ..... Apr. 21 32
Hydrocarbon Research dismisses oxygen patent suit against M.W. Kellogg ..... Mar. 10 37
Import of British iron pipe challenging Antidumping Act – problems of getting suit before proper courts ..... May 26 28
Insulation tape patents – similar products banned ..... June 30 40
Inter-Gulf Chemical & Supply Corp. – judgment against company for breach-of-contract ..... Mar. 10 37
Interhandel's claim against GAF refused by U.S. Supreme Court ..... Mar. 10 37
Interstate compensation in traffic accidents ..... Apr. 28 28
Landownership case filed against Humble Oil and seven other companies ..... Apr. 7 34
Liability claims – broad disclaimers can work ..... Jan. 14 14
Licensing of engineers – compromise may end clash over corporate engineering practice ..... Apr. 21 26
Merger laws due to be tested soon ..... May 19 40
Merger probes seen if antimerger law enforcement funds are granted ..... Mar. 31 32
Metals Disintegrating Co patents infringement suit vs Raynolds Metals ..... Feb. 25 42
Milium patents suit ..... Apr. 14 35
National Lead antitrust case – no wholesale advance ban on mergers, says Judge Lindley ..... Feb. 11 34
N.Y. bill would ease state requirements on chemical salesmen's pay ..... Mar. 31 32
Oil company plugs for desired legislation on oil field unitization ..... Jan. 28 34
Pacific Northwest Pipeline natural gas pipeline to Seattle dispute settled out of court ..... June 9 36
Patent infringement countersuit-award of damages to Farbach ..... Apr. 28 28
Patents infringement Dow vs Polymer ..... Feb. 25 21
Patents – new bills aim to promote speedier patent processing ..... June 16 66
Pentaerythritol fight – Delaware Chemicals vs. Reichhold Chemicals Feb. 18–23, ... Feb. 25 17
Phillips Petroleum and Southern Pacific RR dispute over Houston Ship Channel site belt line link ..... Apr. 21 10
Pollution-abatement settlement of 53-defendant lawsuit at Houston (table) ..... Apr. 28 27
Price discrimination charges for demonstrator services ..... Apr. 14 36
Product liability law-suits – wording and meaning of a release statement can make all the difference ..... Jan. 28 32
Right-of-way law suit delays gas pipeline to Northwest – Apr. 28–28, ... May 12 30
Schering Corp. looks for new ways to save its patents as Supreme Court refuses to hear plea ..... June 9 17
Sodium bichromate poisoning suit settled ..... June 30 40
South Carolina land limit law revised ..... June 16 40
Standard Sulphur sued by Texas farmer ..... June 16 40
State legislators are taking up thorny topics as water supply, pollution control, taxes on industry ..... Jan. 7 19
Sterling Drug trademark suit Jan. 14–13, ... Mar. 31 32
Streptomycin patent suit Mar. 31–32, ... Apr. 7 10
Supreme Court cellophane decision – trustbusters will find it harder to prove monopoly ..... June 23 21
Supreme Court rules on barge-rail joint rates ..... May 5 58
Surface decorating plastics – Invention confirmed ..... Apr. 14 35
Synthetic star gems case settled ..... May 12 30
Tax laws that affect expansion ..... Mar. 3 32
Tax suits pending on excessive rates of local taxes (tables) ..... May 12 27
Tetracycline patent suits settled by crosslicensing agreements ..... Apr. 7 10
Thermoid Co. indicated for allegedly filing false financial reports ..... May 5 34
Tightening of existing 1950 anti-merger law certain to be forthcoming this year ..... Jan. 28 23
Trade practice laws ..... Mar. 17 42
Trade secret case ..... Jan. 21 30
Trade secrets law suits filed by Aula ..... May 26 28
Trademark "Chanel No. 5" upheld as N.Y. court grants injunction against use of "C No. 5" ..... June 16 40
U.S. capital investment in Italy sparked anew by new law ..... Feb. 4 16
Vaccine suit against Cutter Laboratories ..... May 5 34
Violation of U.S. export – penalties of varying severity ..... Jan. 7 35
Water pollution control – federal lawmakers hear chemical industry gripes ..... Mar. 24 19
Lead – Domestic lead production: on the rise again (chart) ..... Feb. 4 20
Leather – Washable leather offers boost to sagging leather glove industry ..... May 19 97
Lepidolite – African lepidolite easier to work with than spodumene in alkaline leaching process ..... Jan. 7 58
Lighting – Electroluminiescent phosphors in interior lighting – target ..... Mar. 17 68
Lignite – Lurgi gasification process to turn lignite into chemicals and fuels ..... Jan. 21 64
Lime – Chemical outlets top all others ..... Mar. 17 132
Lindane – Gamma-benzene hexachloride – estimated cost (table) ..... Jan. 28 54

Lithium
African lepidolite easier to work with than spodumene in alkaline leaching process ..... Jan. 7 58
American Potash and Chemical to produce lithium fluoride, chloride and bromide ..... Mar. 10 60
1955 chemical output was double of 1954's ..... Apr. 7 122
Scientific Design opens new lithium route as growing demand spurs expansions with older processes ..... Feb. 11 60
Lubricants – Aircraft industry lubricant that operates at temperatures in 1000–2000-F range needed ..... May 19 114
Lumber – More lumber-more paint sales (chart) ..... Mar. 10 21
Lurgi gasification process – Turns lignite into chemicals and fuels ..... Jan. 21 64

M

Magnesium – In the U.S.: sharp peaks and broad valley (chart) ..... May 5 25
Magnets – Manganese-bismuth challenges rival magnetic materials ..... June 30 72

Maintenance
Koppers maintenance system streamlined ..... Apr. 28 68
7th Plant Maintenance and Engineering Conference ..... Feb. 11 66

Management
Accident prevention must start at the top ..... Apr. 28 30
Airco's diversifying into chemicals brings big boost in income ..... May 19 36
Better way to plan your company's growth – report Bolin & Messing ..... May 19 69
Chemical companies are recruiting distribution executives from all departments in quest for talent ..... May 26 84
Chemical companies recruiters' dealings with college placement offices ..... Jan. 14 24
Chemical executives expect government action to keep prosperity around all year ..... Jan. 28 21
Chemical firms adopt more generous transfer policies ..... May 5 31
Chemical strikes – sharp drop cheers industry (chart & table) ..... June 23 30
College-phase of executive training – Carnegie Tech's program ..... May 5 32
DCAT industry poll – management volunteers both questions and answers ..... Feb. 11 33
Executive development: talent on tap – the case of John Smith – report J. A. Newman (chart) ..... Jan. 21 37
Experts to point way to tomorrow's top technology ..... Jan. 21 22
Hooker's Bryant pegs pollution control as a four-fold managerial responsibility ..... June 9 78
Koppers sales executive development program – power-think training: spur to creativity ..... Feb. 11 93

MCA annual meeting at White Sulphur Springs, West Va. ... June 16 20
Multimillion-dollar charity programs prompt chemical makers to alter policies ... Mar. 31 28
Product manager keeps personal touch ... Apr. 7 49
Protective coating specialist – Kenneth LeFevre ... May 5 41
Recruitment and placement coordinator, new company post ... Jan. 21 14
Research managers discover that part-time laboratory help can be a good investment ... May 26 74
Rohm & Haas – acrylic route to profits ... June 9 19
Site location reports drawn up by economic research specialists ... Mar. 24 32
Shorter, more productive meetings developed by Management Meeting Clinics ... Apr. 14 28
Stauffer's new organization pattern based on product lines ... Apr. 14 26
Tactful research directors turn down unusable project suggestions from sales department ... Apr. 14 59
Traffic manager can save money ... Apr. 14 76
Univ. of Montreal giving course in patent laws and trademarks for laymen ... June 16 38
USI's informal outing-type management-production-sales conference designed to bring delegates up to date on performance and prospects ... June 2 25
Vick Chemical's three-way growth plan ... Mar. 17 30
Virginia-Carolina Chemical management fight getting down to proxies ... June 9 10
Manitoba – Mid-Canada spurt: vistas for processors ... Jan. 7 27

Manpower, technical
Chemical companies recruiters' dealings with college placement offices ... Jan. 14 24
Chemical companies step up technical training to keep pace with automation ... June 16 96
Companies claim college placement directors for dearth of scientific manpower ... Jan. 7 30
Diversity marks industry's newest efforts to step up output ... June 2 28
Dow Texas Div's aid-to-education program to help secure scientific manpower ... May 26 25
Executive development: talent on tap – the case of John Smith – report J. A. Newman (chart) ... Jan. 21 37
Experts to point way to tomorrow's top technology ... Jan. 21 22
Ferro Corp. recruits engineers, trains them, then turns them over to customers ... Mar. 17 118
Franklin celebration may help solve manpower shortage ... Jan. 14 13
High school set – target of CPW's career counsellors ... Apr 21 25
How Britain boosts scientific education ... May 19 38
Interdepartmental conference USI's recipe for building company harmony ... June 2 25
Joint Congressional committee on atomic energy to discuss manpower shortage at a forum ... Apr. 14 72
Kaiser researchers informal meetings ... Apr. 28 82
Licensing of engineers – compromise may end clash over corporate engineering practice ... Apr. 21 26
MCA's new Education Advisory Committee beckons students; initial effort new booklet "Frontiersman of the Future" ... Feb. 4 26
Management recruitment and placement coordinator, new company post ... Jan. 21 14
N.Y. Chemistry teachers' conference on science enrollment ... May 12 30
Paid holidays for chemical workers – non status quo ... Jan. 14 19
Part-time laboratory help ... May 26 74
Pekin Science Fair – search for engineering talent ... Apr. 7 32
Prospective personnel account by 1956 – 50% deficit sighted (table) ... June 23 36
Protective coating specialist – Kenneth LeFevre ... May 5 41
Some relief for personnel directors: shorter enlistments for men in critical jobs ... Feb. 4 24
Transfer policies up-graded ... May 5 31
Wage bill for chemical and allied process industries over the past decade (chart) ... Jan. 7 24
Women wanted, too: chemical firms change rules on coed employment ... Feb. 11 36

Manufacturing Chemists Assn.
Annual meeting at White Sulphur Springs West Va. ... June 16 20
Education Advisory Committee beckons students; initial effort new booklet "Frontiersman of the Future" ... Feb. 4 26
Expansion survey (chart) ... Feb. 4 15
Gillis, John – new chairman ... June 9 22

Materials Handling
Automation at Northwestern Glass Co.'s Seattle, Wash. batch plant ... Mar. 31 48
Flexible conveyor lines attached to automatic case sealer at Parke, Davis ... Apr. 28 104
Reinforced plastics for defense packaging ... Apr. 14 86
Rolli-Tanker – new liquid storage unit ... Feb. 18 80
Super salt warehouse has center tunnel for gravity loading ... Jan. 7 64
Uranium comes up by the letters ... Mar. 10 40
Welding pipeline full of metallic sodium ... Feb. 25 102
Measuring – Odor-source contaminants – P&G odor engineers abandon conventional approach ... Jan. 28 98

Metals
Electric-arc metals-refining process ... Mar. 10 60
High-intensity arc: new way to get scarce metals ... Mar. 17 58
Metal-etching process – Chem Milling May 26–60, ... June 9 52
Million-dollar business in new metals ... May 26 20
Still process of treating complex ores ... Jan. 14 56
Methane – Liquid methane – safety regulations for hauling proposed ... May 12 58
Methanol – Production to start in Brazil ... Feb. 25 25

Mexico
Bid for an indigenous chemical industry – U.S. firms building in Mexico to hang onto lead over European, Japanese rivals (table) ... Apr. 21 28
Senate probers plan investigation of hormone business ... June 9 9
Sulfur industry is ready to compete for world markets (map) ... May 12 18
Microballoons – Use in oil industry as means of preventing evaporation of crude oil ... Apr. 28 79
Minerals – Hagen, Toni, Swiss geologist, heading survey of Nepal's mineral resources ... Feb. 18 37
Molybdenum – High temperatures prod moly output (chart) ... June 9 44
Motors – New synchronous motor ... Mar. 31 66
Munitions – Hunting licenses open up market for chemical makers (chart) ... Jan. 7 23

N

Naphthalene – Crude coke-oven naphthalene output up ... Mar. 31 72
Naphthalene-phthalic anhydride – Highlights Chemical Market Research Assn. meeting ... Feb. 11 73
National Agricultural Chemicals Assn. – Spring meeting in Florida ... Mar. 31 40
National Assn. of Corrosion Engineers – 12th Annual Conference ... Mar. 24 46

National Assn. of Purchasing Agents
Chemical & Allied Buyers Group meet in Chicago to discuss better purchasing ... June 2 58
Conferences discuss escalator clauses in chemical sales contracts ... Feb. 11 98
National Bureau of Standards – Color names dictionary ... Feb. 25 78
National Farmers Union – Sales plans ... Mar. 3 82
National Packaging Exposition – Idea supermarket ... Apr. 21 74
Natta, Giulio – Clears up some mysteries surrounding work on polyolefins ... June 16-64,73,79

Natural Gas
Acetylene from natural gas for production of acrylates ... Jan. 21 87
Bill – what the decision means ... Feb. 25 21
Distributing companies in Arkansas to increase industrial rates ... Apr. 7 21
Hinterland pipelines to benefit industry generally, primarily as a fuel (table) ... Jan. 7 19
Kaiser Aluminum and Chemical is first customer for natural gas in Pacific Northwest ... Feb. 11 22
Natural gas put into chemical form ... Feb. 25 40
Northwest pipeline threatened by new delay ... Apr. 28 28
Prices – how will they affect present chemical industry plans? ... Feb. 18 30
Wyoming's Green River Basin – petrochemical promise ... Mar. 17 23
Neutrino – Atomic particle captured ... June 30 88

Nickel
Chemical-based nickel refining over war time levels (chart) ... Apr. 7 43
Leach processes to extract nickel and cobalt from low-grade Cuban ore ... Apr. 21 59
Still acute shortage stirs Washington probers (chart) ... May 19 154
Nitroglycerine – Continuous nitration by the Biazzi process ... Jan. 7 58
Nitroparaffin – Gasoline additive ... May 12 92
Nivco – High-cobalt and nickel alloy ... June 30 88
Nylon – Polyoxamide fibers: stronger, potentially cheaper than nylon ... Mar. 31 54

O

Oblad, Alex – Interview with Houdry's catalysis expert: for productive research get individualists on the team ... Mar. 24 86
Odors – Deodorant-sterilizer for air conditioners – target ... Mar. 31 46
Office of Alien Property – Rohm & Haas Co. sold – biggest price ever for sale of alien property ... June 30 22

Ointments
Aloe jel for burns and skin irritation ... Jan. 7 44
Cortisone – over-the-counter sales ... Apr. 14 48

Oils and Fats
Olefin from oil by new technique ... June 2 65
Tall oil production in U.S. expected to hit 750 million lbs. by 1957 (chart) ... May 12 104
Oxidation – Cost and corrosion factors make direct oxidation the favored ethylene oxide process ... Mar. 10 38

Oxygen
Government, industry use of tonnage oxygen means profits for Air Products ... Mar. 31 15
Lurgi pressure gasification improvements in German plant ... Apr. 28 79
Oxythermal carbide process replaces electric power ... May 12 60

P

Packaging
Aerosol cold-fill unit ... Mar. 10 11
Automatic bag packer for small and medium-size needs ... June 2 56
Cellophane leading the flexible packaging parade (charts & table) ... June 30 90
Fertilizer packer ... Mar. 17 124
Liquid bulk packaging – Nest-A-Bin, new container ... Mar. 31 80
Low-cost setup cold-fills aerosols ... Apr. 21 50
National Packaging Exposition – Idea supermarket ... Apr. 21 74
New propellents for aerosol packaging ... May 19 113
Reinforced plastics for defense packaging ... Apr. 14 86
Research ... Apr. 14 88
Tags and quality control symbols – swing to quality control promotion ... Mar. 31 78
Vinyl and polyethylene film plant will stress packaging applications ... Jan. 28 48

Paints
Army Corp of Engineers develops high temperature resistance paint ... May 5 72
Becker, J. Jr. offers new method of determining CPVC of emulsion paints ... June 9 121
Cadmiums tinting strength surpassed by Mercadiums ... Feb. 25 59
Chicago park department to test plastic type paints ... May 19 119
Enamels and lacquers compete for auto paint business ... Mar. 10 73
Gondoliers readying craft for tourist season ... June 9 48
High-bake, extra-hard coatings hit Canadian markets ... Feb. 18 62
Lucite and Dulux 100, automobile paints ... Jan. 21 74
Masonry paints – competition quickens ... Apr. 21 46
Modified cellulose rides high on PVAc paint boom ... May 19 120
More lumber – more paint sales (chart) ... Mar. 10 21
Naiplex, new paint, gets new promotion approach ... Feb. 18 64
Sailor-hobbyists create big market ... Apr. 28 48
Sales in paints (table) ... Jan. 14 27
Sales outlook ... Mar. 3 77
Sales rush five months early (chart) ... Apr. 28 35
Thixotropic or jelled alkyds for paints ... June 23 50

Paper
Black liquor recovery cycle, CZ's process ... Jan. 7 50
Butyrate paper coating ... Jan. 28 68
Chemically treated wrapping paper to prevent tarnish and corrosion ... Mar. 3 46
Chemicals reflect rapid growth of Canadian pulp and paper production ... Jan. 14 80
Production and consumption 1945 – 1955 (table) ... Jan. 14 27
Titanium organics undergoing evaluation by paper makers ... Mar. 3 64
Wet-strength, moistened paper wash-cloth in foil packet for quick cleanup ... Apr. 14 50
Wet-strength resins for paper ... Apr. 28 52

Patents
Allied nonelectrolytic process for making hydrogen peroxide ... Apr. 14 96
Chemical patents predicition for 1956 ... Mar. 3 66
Citric acid process patent infringement ... Apr. 7 32
Compulsory licensing of a wide range of AT&T chemical patents highlights a new industry-government problem ... Feb. 4 14
Dow vs Polymer – patents infringement ... Feb. 25 21
Faulty description, prior disclosure and misinterpretation can be a basis for patent rejection ... Mar. 3 34
Hot-coating drum lining process ... May 12 57
Infringement countersuit award of damages to Farbach ... Apr. 28 28
Insulation tape patents ... June 30 40
Japanese firm's infringement on Cyanamid's chloretetracycline patent and Parke Davis' Chloromycetin ... Jan. 14 34
Leafing aluminum paste pigments lawsuit ... Feb. 25 42
Milium patents suit ... Apr. 14 35
Monopoly of patents lawsuit ... Apr. 28 28
New bills aim to promote speedier patent processing ... June 16 66

Sales growth and patent growth pace one another (chart) ... June 30 29
Schenley-Sterling lawsuit impinges on old I.G. Farben patent rights Jan. 14–13, Mar. 31 32
Schering Corp. looks for new ways to save its patents as Supreme Court refuses to hear plea ... June 9 17
Streptomycin patent suit Mar. 31–32, Apr. 7 10
Tetracycline patent pile up ... Feb. 18 40
Tetracycline patent suits settled ... Apr. 7 10
Trademarks – more similarity tolerated ... Jan. 28 42
U.S. – German agreement – promise of protection ... Jan. 21 26
Univ. of Montreal giving course in patent laws and trademarks for laymen ... June 16 38
Unused patents – here's how companies can turn neat profits prospecting in patent files ... Feb. 11 46
Pentaborane (C_5H_9) – Rock motor tests confirm high heat value ... Apr. 7 101

Pentaerythritol
Delaware Chemicals gains points in fight to stop Reichhold Chemicals from making the compound ... Feb. 18 23
"Zero-ash" mono-PE nearly free of inorganic impurities ... Jan. 7 14
Peracetic acid – New process may presage many new epoxies ... Apr. 14 92
Perborates – Sodium borate perhydrate stain removers for plastic dishware ... June 30 112
Perchloryl fluoride ... May 5 71

Perfume
French perfume industry hard hit by cold spell in Europe ... Mar. 17 136
Production of synthetic perfumes in the U.S. (chart) ... June 23 27
Reodorants – perfume-containing figurines or card designs for home or car ... Mar. 3 44
Synthetic ambergris, thirty years in the making, is now moving out of the test tube into perfume vials ... Feb. 4 61
Permanent Waving – Beauty shops a $30 million business despite home permanents ... Apr. 14 44

Petrochemicals
After slow start, chemicals are booming at oil-rich Beaumont (map) ... Apr. 7 27
Chemical plants unscathed as two Texas towns call off series of attempted annexation ... Apr. 21 30
European production and expanding market, substantial in five countries (chart) ... Apr. 7 16
Monsanto's British subsidiary offered plant site at Fawley ... June 9 9
Peruvian fertilizer producer plans petrochemical plant ... Mar. 17 25
Wyoming's Green River Basin – petrochemical promise ... Mar. 17 23

Petroleum
Citric acid as sequestering agent in secondary oil recovery ... Mar. 17 105
Light oil distillate production by petroleum refineries (chart) ... Mar. 31 20
Oil company plugs for oil field unitization ... Jan. 28 34
Shell Oil unveils two-stage fluid cat-cracking process ... May 19 135
Phenol – Synthetic phenol prices advanced ... June 9 127

Phenoxy Butyric Acids
Phenoxybutyricacids, 2,E-DB and MCPB – High toxicity to broadleaf weeds ... Jan. 21 72
Phenoxy butyric acids 4(2,4–DB) 4(MCPB) will have wide commercial possibilities ... Jan. 14 66

Phosphoric Acid
Market outlook – capacity and consumption ... May 5 92
U. S. production is growing (chart) ... Jan. 21 80

Phosphorus
Expansion of capacity, will add 40 million lbs. a year to Shea's output ... Jan. 7 20
Growing importance in animal feeds ... Feb. 4 79
Market outlook – capacity and consumption ... May 5 92
Phosphorus trichloride – Production reached climax in 1955 – what will happen in '56 (chart) ... Apr. 21 94

Pigments
Becker, J. Jr. offers new method of determining CPVC of emulsion paints ... June 9 121
Commercial letterpress inks using extra-bright pigments ... Apr. 7 133
Mercadium reds contain no selenium ... Feb. 25 59
Phthalocyanine manufacture – integration from coal to organic pigments? ... Jan. 21 10
Phthalocyanine pigments – doubled sales anticipated ... Jan. 7 13

Piping
Cutting and welding pipeline full of metallic sodium ... Feb. 25 102
NSF seal on plastic pipe and fittings ... Feb. 25 52
Natural gas service into new regions to benefit industry generally, primarily as a fuel (table) ... Jan. 7 19
Polyethylene is still tops in the pipe field (table) ... Jan. 14 76
PVC pipe market ... Apr. 28 90

Pittsburgh – Chemical industry spurt (map & table) ... June 30 35

Plant Location
Allied works out some fancy maneuvers to get Georgia site for chlorine plant ... Feb. 18 24
Brunswick, Ga. new chemical center ... May 19 19
Chemical plants unscathed as two Texas towns call off series of attempted annexations ... Apr. 21 30
City or country? plant site poser; specialties makers list nearness to markets as prime consideration ... Feb. 4 82
Here's why Baton Rouge, La. is the cynosure of many chemical companies ... Mar. 17 24
Joliet, Ill. – two miles of river frontage waiting for chemical firms ... Apr. 14 9
Nevada, Ohio plan new industrial development areas ... June 30 10
Roanoke River plans postponed ... Apr. 28 18
San Francisco – chemical capital of the Golden West (map) ... May 19 31
Science City project in San Antonio, Tex. ... Apr. 14 71
Site location reports drawn up by economic research specialists ... Mar. 24 32
South Africa: sets for chemical spurt ... June 16 36
States strive to outdo each other in latest bids to attract new industry ... Mar. 24 28
Wyandotte decides to build new plants in the South ... Feb. 11 22

Plasticizers
Monomer MGL – polymerizable plasticizer for plastisols ... Apr. 7 84
Santicizer 213, used as primary plasticizer in PVC ... June 2 39
Vinyl plasticizer expected to broaden the use of vinyls ... May 26 71

Plastics
Big three plastics producers – U.S. still tops (chart) ... Feb. 25 30
Biggest plastics show yet at New York's Coliseum ... June 23 80
Construction material for Texas Tower dome and radio-controlled target drones ... Feb. 25 90
Electric meter covers of butyrate plastic ... Mar. 24 78
Ethylene output will hit 2 million tons/year by 1960; booming plastics outlets stimulate expansion (chart) ... Feb. 4 72
FTC hearings on "fair play" rules ... May 12 28
Gafite – chloromethacrylate plastic ... May 5 71
House constructed of 13 different plastics ... Mar. 3 16
Marine markets widen for plastics ... Jan. 28 84
Melamine dishes – chinaware makers and others get set to invade field ... June 16 57
Navy tests fiber-glass-polyester resin landing craft ... May 19 157
Pipe to get NSF seal ... Feb. 25 54
Plastic tools in construction of Hercules C-130 ... Apr. 7 124
Polyethylene tops in plastic piping but polyvinyl chloride, butyrate, acrylo-styrene are important too (table) ... Jan. 14 76
Profits in the nursery: more plastics in toys (chart) ... Mar. 17 52
Reinforced plastics in trailer truck design ... May 5 54
Reinforced plastics – military officials tell what's wrong ... Apr. 14 86
Resilient foams market – vinyl and urethane types strive to cut latex lead ... Mar. 10 62
Resin tarpaulins for farm uses ... Mar. 3 77
Teflon treated so it can be bonded with most adhesives ... Feb. 11 90
Thermoplastic, Styrex 767 ... June 9 94
U.S.–Canada trade in plastics – northbound flow preponderates (chart) ... May 26 34
West German production reaches new high ... Apr. 21 92
Plastisols – New polymerizable plasticizer might boost the $38-million plastisol market ... Apr. 7 84
Poland – New plants make it possible for country to discontinue importing of nitrogen fertilizers ... Mar. 17 42

Poliomyelitis
Congressmen see how Salk vaccine is made ... Mar. 10 18
Reproduction of monkey kidney cells in polio research ... Apr. 28 80
Salk vaccine supply (chart) ... Apr. 14 108
Ultraviolet irradiation – new vaccine 'killer' ... May 19 142
Virus manufacturing for making polio vaccine ... Apr. 7 112

Polishes
Copper cleaners tempting market for specialties makers ... June 30 112
Polyethylene-base floor polish – consumer formula for consumer favor ... June 9 58
Polyethylene resins in polishes ... June 23 49
Wax-Wiz – automatic floor waxer ... June 9 54

Polyethylene
Ethylene output will hit 2 million tons year by 1960; booming plastics outlets stimulate expansion (chart) ... Feb. 4 72
Expansion for Latin American markets by U.S. firms ... Jan. 28 17

GE's irradiated polyethylene insulating tape ... Mar. 10 59
Grace, W.R. – new polychemical contender ... Mar. 17 42
Hot-coating process in lining drums ... May 12 57
Hyrad, irradiated polyethylene, for wire and pipe coatings ... Mar. 24 74
Hyrad irradiation ... May 5 46
King-size containers for corrosive radioactive materials ... Apr. 14 80
Large-scale production planned ... Feb. 25 22
Patent situation not very clear on catalytic processes ... May 19 113
Phillips low-pressure catalytic process ... Feb. 25 98
Phillips process to be employed at new plant ... Jan. 14 65
Plastic greenhouses at low cost ... Jan. 21 82
Polish makers incorporate polyethylene resins in polishes ... June 23 49
Rigid-polyethylene process will get its first commercial tryout ... June 23 65
Sealing technique at rates of 500 ft./min. or more ... June 23 88
Tanks for chemical industry ... Jan. 21 62
Tops in plastic piping (table) ... Jan. 14 76
Polyisoprene – Nearest thing to natural heavy rubber ... Apr. 7 115

Polyolefins
Isotactic polyolefins bid for fiber duties ... June 16 64
Polyethylene see subject heading **Polyethylene**
Polyolefin resin plant being built by Celanese near Houston, Tex. ... Apr. 7 22
Polypropylene investigations of J. Natta of Milan Institute, Italy, interest U.S. firms ... May 19 113
Polypropylene – Natta gives more information on polyolefin process ... June 16-64,73,79
Polypropylene – pilot plants in Europe; U.S. research activity ... Feb. 4 69
Polypropylene – Ziegler obtains crystalline polypropylene ... Feb. 18 90
Polypropylene's the plastic to watch; scores of firms are applying for manufacturing licenses ... June 16 79
Polypropylene – see Polyolefins
Polystyrene – German process license hassle ... June 2 20

Polyurethane
Foam import possible patent infringement ... Apr. 7 21
Polyurethane foam used as rug liner under tradename Unifoam ... Feb. 4 80
Solderable wire coatings ... May 5 60
Thiokol may be firm to watch ... Mar. 31 66
Trimethylolpropane shipments from Celanese mean cheaper polyols ... June 9 116

Polyvinyl Chloride
Heat-resistant vinyls for insulation duties ... Jan. 14 42
Insulation compound performs satisfactorily at 125 C. ... Jan. 7 58
Porter, Robert – Metallurgist develops slug-purging column for continuous ion exchange ... June 9 74
Potash – Rising world demand is behind West Germany's plans for increased output ... Feb. 4 76
Potassium borohydride – Roundabout process cuts costs (table) ... May 26 38

Power
Raising chemical output: 2-way energy input (chart) ... Mar. 31 19
TVA can now build its own power plants; how this will affect chemical firms ... June 9 21
TVA power pinch seen ... Mar. 17 40

Prices
Chemical purchasing agents hope to find means to circumvent escalation, rising prices ... Jan. 7 62
Cost-justification defense may get more practical in pricing suits ... Apr. 7 55
Demonstrator services decided price discrimination ... Apr. 14 36
FTC begins investigations of wide-spectrum antibiotic prices ... Mar. 10 15
Price-fixing clause nullifies patent protection until clause is scuttled ... Feb. 25 42
Printing – Big market for chemicals, booming despite TV (chart) ... Apr. 7 44
Promazine see **Drugs**

Public Relations
Allied Chemicals exhibit in Grand Central Station, New York ... May 26 88
Californians see conservation film and are asked to petition for unitization of oil deposits ... Jan. 28 34
Corporate charity – multimillion-dollar programs prompt chemical makers to alter policies ... Mar. 31 28
Dow's gift to community development program in Texas: detailed engineering ... Mar. 31 31
Drug industry plans all-together public relations campaign ... Feb. 11 24
German purchasing agents spend a month in the U.S. studying practices and problems ... Jan. 21 60
Inventors demonstrate ideas on TV show "The Big Idea" and look for manufacturers ... Jan. 14 68
Japanese industrialists from heavy-chemicals industry touring U.S. ... June 2 26

Pekin Science Fair in search for engineering talent ... Apr. 7 32
Philadelphia's chemical commotions causing scare headlines have subsided (table) ... May 26 28
Product manager keeps personal touch in customer relations ... Apr. 7 49
Reynolds Metals offers to take on new role – nationwide school building expediter ... Feb. 18 34
Sales-building goodwill for dry-chemical fire extinguisher ... Jan. 14 88
Speaker service to sell an industry ... Jan. 28 47
Tactful research directors turn down unusable project suggestions from sales department ... Apr. 14 59
Wyeth Laboratories answers publicity criticism ... Apr. 21 73

Pulp
Black liquor recovery cycle, CZ's process ... Jan. 7 50
Hydrogen peroxide for bleaching ... Feb. 25 84
Processing of waste pulping liquors ... May 19 144
U.S. pulp mills prosper (map) ... June 23 27
Pulp Chemicals Assn. – Tall Oil Div. production figures differs from U.S. Bureau of Census ... May 12 104

Pumps
Coolant pump for Shippingport atomic power plant gets a checkup ... May 26 48
Duplex pump with Link-A-Trol mechanism for varying stroke at Chem Show ... Jan. 14 58

Purchasing
Chemical purchasing agents meet in Chicago, eye cost cutting ... June 2 58
German purchasing agents spend a month in the U.S. studying practices and problems ... Jan. 21 60
Scientific purchasing – will research influence sales? ... Apr. 28 100
Pyrethrum – Headquarters and laboratories in Kenya for industry ... Jan. 14 52

R

Radiation
Atomic radiation may be the key to nematode control ... Feb. 4 10
Food-irradiation research – Army Quartermaster Corps ponders problem ... May 19 104
Materials affected and traced by radioisotopes ... Apr. 7 104
Separation method for radiation hygiene purposes ... Apr. 14 98
McKinney panel report contains separate reports on radiation catalysis and thermonuclear technology ... Feb. 11 53

Radioactivity
Automatic radiation counter ... June 9 84
Atomic radiation studies of greatest concern to chemical processors ... June 30 80
Dosimeters for atomic workers' safety ... May 12 46
Isotope laboratory uses geiger counter to keep floors free of radioactivity ... Apr. 14 60
Steel balls technique in operations of getting crude oil from tar sands ... Jan. 14 65

Radioisotopes
Commercial processing ... Apr. 7 104
Separation method for radiation hygiene purposes ... Apr. 14 98
Rainmakers – Symposium at Univ. of Ariz. ... Apr. 21 60

Rare Earths
Market future – color television one promising outlet ... Apr. 28 90
Vitro Corp. of America joins with Crane to develop rare earth and titanium raw material sources ... Mar. 17 23
Refining – First continuous process refining pine sap turns out high-quality rosin ... Apr. 21 66

Research
Aerosol – research is base for future boom ... June 16 44
Anion exchange resins unveiled by Chemical Process Co. ... June 9 118
Arquad 2 HT – newest applicant for soil stabilization ... Mar. 10 46
AEC airing atom secrets in declassified technical reports made available ... Apr. 7 88
Battelle's new reactor development laboratory ... Feb. 25 61
Becker, J. Jr. offers new method of determining CPVC of emulsion paints ... June 9 121
Bio-insecticide researcher – microbes may soon vie with chemicals for insecticide service ... Apr. 21 80
Blue phthalocyanine dye features brightness, fastness ... Mar. 24 88
Box method – new statistical method cuts experimental work load ... Mar. 31 56
Bubble chamber for observing path of speeding atomic particles ... June 9 122
Building spurt signals new research expansion round ... Jan. 28 58
Cancer – NYU team links ribonucleo-protein to cell growth ... May 26 80
CIT unveils new chemical reactor ... Mar. 10 59
Chemical companies spending plans for research and development (table) ... May 19 18
Chemical, metallurgical and petroleum research redoubled in Pittsburgh (map & table) ... June 30 35
Chemicals to check water evaporation – research project ... Jan. 14 44
Color-comparison method for determining alkaloids in tobacco ... May 5 64
Cotton growth-control chemicals ... Apr. 28 88
Crown Zellerbach tackles bacterial slime pollution problems that plague Columbia River fishermen ... May 26 42
Cyanoethylated (acrylonitrile-treated) cotton – paper, jute, chemicals come next (table) ... June 23 40
Drugs to combat heart disease ... Mar. 3 62
Du Pont's new elastomer lab ... May 5 64
Eight government research reports released ... Jan. 28 58
Enzymes put flavor back into processed foods ... June 30 68
Expoidation research ... Jan. 21 90
Expenditures of U.S. chemical and allied products companies in 1953 (chart) ... Jan. 14 40
Experts to point way to tomorrow's top technology ... Jan. 21 22
Fluorinated aromatics top Air Force fungicide research ... Jan. 7 80
Food irradiation – Army Quartermaster Corps. ponders problem ... May 19 104
FMC sets up advance lab at New York University ... June 2 44
Fungicide, organic copper compound, tested on textiles ... Apr. 7 132
Gamma-ray chlorination probe by U. of Mich.– estimated cost (table) ... Jan. 28 54
Gasoline additives – nitroparaffins bid for fuel uses ... May 12 92
Glycerine research – trio of awards spotlight latest developments ... Feb. 4 62
Gordon Research Conference plans ... Mar. 24 91
Halotestin – newest, most potent male hormone ... Apr. 21 84
Heat recovery from pulping wastes and low-grade fuel ... Mar. 3 70
Heat-resistant polyvinyl chloride wire insulation ... Jan. 14 42
High-intensity arc: new way to get scarce metals ... Mar. 17 58
High polymers – NSF pushes new basic research program ... May 19 106
Houdry's Ohlad: for productive research, get individualists on the team ... Mar. 24 86
Hydrocarbon separation by chromatography ... Jan. 21 91
Independent commercial labs register income gains, point for bigger role in research ... Mar. 17 56
Independent labs to argue new tax proposal ... Mar. 10 48
Industry-sponsored distillation stuties ... June 9 80
Insect taxonomy ... June 23 42
International catalyst congress to spotlight upsurge in research ... Feb. 25 64
Isotactic polyolefins bid for fiber duties ... June 16 64
Jet fuel research at Texas Co. lab ... June 9 112
Kaiser researchers informal meetings ... Apr. 28 82
Kenya team researches hecogenin from sisal ... Apr. 14 62
Lab building continues brisk ... Feb. 4 64
Light-stable, low-tack vinyls ... June 2 39
Long-range chemical planning must link research and financing ... Feb. 18 34
Los Alamos scientist capture neutrino, an atomic particle ... June 30 88
McKinney panel report contains separate reports on radiation catalysis and thermonuclear technology ... Feb. 11 53
Mental drugs – outlook for assessing the effectiveness ... June 9 111
Mercadium reds for use in paints plastics, rubber, printing ink ... Feb. 25 59
Model of new Hercules' research center ... June 9 118
National Research is now in zirconium ... May 12 84
Navy's first atomic research reactor nearing completion ... June 9 114
Nilevar – anabolic entry ... May 5 62
Nuclear reactor for ARF features triple protection ... June 23-44, 66
Packaging research ... Apr. 14 88
Parkinson's disease treatment – major developments ... Feb. 18 90
Part-time laboratory help can be a good investment ... May 26 74
Petroleum wax strengtheners ... Mar. 31 58
Plastisols – new polymerizable plasticizer ... Apr. 7 84
Polyoxamide fibers: stronger, potentially cheaper than nylon ... Mar. 31 54
Polyurethanes for solderable wire coatings ... May 5 60
Product development: panels catch on ... June 9 96
Prolongal Benzocaine, new anesthetic from Israel ... Feb. 25 68
Promazine – newest tranquilizing drug ... Mar. 10 48
Pyrethrum paramount in new African research lab ... Jan. 14 52
Rejections of project suggestions ... Apr. 14 59
Reproduction of monkey kidney cells in polio research ... Apr. 28 80
Rocket research center to be built in Utah ... June 23 23
Russians plan big spending on research ... Jan. 14 16
Science City, Tex. will include research facilities ... Apr. 14 71
Scientific purchasing influence on sales ... Apr. 28 100
Shock tube for missile materials study ... Apr. 14 64
Sodium dispersion maker ... Jan. 7 76
South's need for more researchers and research facilities is pressing ... Mar. 17 60
Starch sponges as carrier for medicaments ... Apr. 28 80
Sulfur hexafluoride's insulating properties ... Jan. 21 92
Survey shows scientific research a minor beneficiary of philanthropic foundations ... Feb. 11 53
Synthetic ambergris, thirty years in the making, is now moving out of the test tube into perfume vials ... Feb. 4 61
Synthetic organics research spending (chart) ... Mar. 10 21
Synthetic rubber testing apparatus ... Mar. 17 62
Testing 2,000 compounds against three types of mouse cancer ... Apr. 14 64
Tight research budgeting for small firms – Consultant McNeill tells the whys and hows ... Feb. 18 102
Titanium organics in semiworks production – ortho esters, chelates, acylates ... Mar. 3 64
Trimethylolpropane process developed by Celanese ... June 9 116
Tuberculosis research reports progress ... June 30 88
USDA's experiments with gibberellic acid as a growth stimulant for certain plants ... June 23 66
Unused patents – here's how companies can turn neat profits prospecting in patent files ... Feb. 11 46
Warfarin – anticoagulant drug prospect ... Feb. 11 48
Washable leather ... May 19 97
Westinghouse manganese-bismuth challenges rival magnetic materials ... June 30 72
Wet-strength resins in facial tissues ... Apr. 28 52
Wild oats killer (map) ... Jan. 7 38
Your future in nuclear energy R. E. Heik & others (charts & tables) (report) ... Feb. 18 45
Resperine – Synthesis ... May 12 73

Resins
Anion exchange resins unveiled by Chemical Process Co. ... June 9 118
Porter column purges resin one slug at a time for continuous ion exchange ... June 9 74
Silicone resin production (chart) ... Feb. 25 87
Wet-strength resins in facial tissues can cause dermatitis ... Apr. 28 52
Rhenium – Process advance augurs bright commercial future ... Apr. 7 115

Rockets
Research center to be built in Utah ... June 23 23
Satellite rocket model shown in Washington ... May 12 22
Rockets see also Guided Missiles

Rodenticides – Pival series of rat poisons are field tested ... Jan. 28 70
Rosin – First continuous process for refining pine sap turns out high-quality rosin ... Apr. 21 66

Rubber
Butadiene's major market – synthetic rubber ... Jan. 28 80
Experimental colored tires using linear polyethylene with rubber ... June 9 94
Government-owned synthetic rubber plant sale – battle to win Congressional approval ... Jan. 21 15
High polymers – NSF pushes new basic research program ... May 19 106
Industry's GR-S stake grows and shifts (chart) ... Feb. 4 19
New elastomer lab ... May 5 64
New question in rubber debate: can Publicker buy or long-lease Louisville butadiene unit? ... Feb. 11 23
New testing apparatus for synthetics ... Mar. 17 62
Ozone deterioration of rubber – UOP 288 new antiozidant ... Mar. 17 60
Polyisoprene nearest to natural hevea rubber ... Apr. 7 115
President reports to congress on rubber ... May 19 155
Research and pilot-plant lab at Akron, O. for sale?, ... Feb. 25 24
Resilient foams market – vinyl and urethane types strive to cut latex lead ... Mar. 10 62
Synthetic rubber plant sale goes to Congress ... Jan. 14 9
Synthetic rubber producers – no government supervision needed ... June 30 20
Synthetic rubber – sharp shift south and west (chart) ... May 26 33
Synthetic rubber – world consumption will set record high ... Mar. 17 139
U.S. Butadiene plant: though Carbide bid most, Publicker and Justice Dept. fight sale ... June 9 18

Russia
Kremlin courts underdeveloped chemical markets (chart) ... Mar. 17 51
Satellite countries' chemical industries into one giant Soviet-headed cartel (table) ... June 23 32

Soviet leaders boost chemical production, threaten U.S. export markets (charts, map) ... Mar. 10 28
Soviet research spending up 20% ... Jan. 14 16
What you can and can't ship behind the Iron Curtain ... Mar. 17 26
Rust remover – Rustoff, liquid rust-stain remover for textiles ... Jan. 14 68
Rutgers Research & Endowment Foundation – Streptomycin suit dismissed ... Apr. 7 10
Rutile – Rutile for titanium: from Australia's beaches to U.S. consumers via new $1.5 million venture ... June 9 132

S

Safety
ABCM, MCA, and ILO joint meeting in Geneva on international labels for dangerous chemicals ... Jan. 14 87
Accident prevention must start at the top ... Apr. 28 30
Added safety for laboratory shielding ... Feb. 4 66
Australian fire-fighting and rescue tender ... Mar. 24 46
Checking source of radiation aboard nuclear-powered vessel ... Apr. 14 98
Chicago proposed rezoning law threatens paintmakers ... June 30 10
Coast Guard revises sea-shipment rules for chlorate mixtures ... June 16 58
Compressed gas cylinder labeling – controversy flares ... Mar. 10 54
Philadelphia's chemical commotions have subsided (table) ... May 26 28
Protective clothing for propellant handlers ... Apr. 7 78
Rubber standin tests efficiency of face masks for atomic workers ... Feb. 11 64
Sodium bichromate poisoning suit settled ... June 30 40
Styrene tank off the tracks in Charleston, W. Va. causes near panic ... June 2 22
St. Louis – New spirit, civic, industrial rebirth (map) ... Feb. 25 35
Salaries see Labor, Manpower, technical, Research, Selling

Salt
New salt saga: more in processing, more on roadways (chart) ... Mar. 31 19
Super salt warehouse holds 44 million lbs., boasts center tunnel for gravity loading ... Jan. 7 64
San Francisco, Calif. – Chemical capital of the Golden West ... May 19 31
Sapogenin – Steroid sapogenin from sisal ... Apr. 14 62
Securities and Exchange Commission – Virginia-Carolina Chemical proxy fight Apr. 28–22, ... May 5 18

Selling
Aerosols are up 30% – nonfood pressurized products in 1955 (tables) ... June 2 77
Aerosol-type oven cleaners are challenged by new, lye-free paste cleaner ... Jan. 21 70
Ag chemical – declining farm income hurts sales (chart) ... Apr. 28 20
Agricultural chemicals sales planned by NFU ... Mar. 3 82
Allied's exhibit in N.Y. Grand Central Station creates interest in its products ... May 26 88
Antibiotics for flesh-food preservation – Pfizer and Cyanamid move to solve problems in selling ... Mar. 24 54
Antiseptic makers to jack up sales figures to a new high ... May 12 40
Autonomous divisions increases sales 18% for Diamond – forecast for 1960 $150 million total sales ... Jan. 21 13
BDSA's sales forecast for 1956 ... Feb. 18 21
CMRA scans future for market impact of atom, turbine engines, synthetic "natural" rubber (tables) ... May 26 98
Campaign in antipermanent type of lipsticks ... Jan. 28 68
Canadian chemical 1955 (chart) ... June 30 29
Chemical companies are recruiting distribution executives from all departments in quest for talent ... May 26 84
Chemical companies spending plans – how sales will increase (table) ... May 19 18
Chemical sales – outlook for 1975 (chart) ... June 2 33
Chemicals increased as a result of Canada's record pulp and paper production ... Jan. 14 80
Chemical industry – 1955's rocketing sales (table) ... May 26 19
Chemical materials to makers of telephone equipment (chart) ... Apr. 28 36
Chemical purchasing agents hope to find means to circumvent escalation, rising prices ... Jan. 7 62
Chemical sales of "nonchemical" outfits (chart) ... June 2 33
Chemical sales of the TVA mount, but slowly (chart) ... Jan. 7 23
Cleanser business – new promotion ideas churn up competition ... May 19 118
Coatings: How to sell a $700-million market – report Harry Burrell (charts & tables) ... Mar. 17 70
Continuing demand for hunting licenses opens up market for chemical makers (chart) ... Jan. 7 23
Cortisone – over-the-counter sales of ointment ... Apr. 14 48
Detergent sales for 1955 ... Mar. 24 80
Distributor programs help dealer and supplier spur LCL sales ... Apr. 21 72
"Domestic" service for overseas customers ... Jan. 21 59
Escalator clauses in chemical sales contracts discussed at National Assn. of Purchasing Agents conferences ... Feb. 11 98
Explosives for construction (chart) ... Apr. 14 41
Fair Trade scene is active again ... May 26 64
Fertilizer consumption pattern ... June 16 60
Flexible films for all packaging purposes (charts & table) ... June 30 90
Foreign companies join forces for profit (table) ... May 26 26
GE's Chemical & Metallurgical Div. becoming more potent factor in chemical industry ... May 19 20
German view of U.S. buying: sound ... Jan. 21 60
Government-owned research lab for sale? ... Feb. 25 24
Government-owned synthetic rubber plant sale – battle to win Congressional approval ... Jan. 21 15
House party to bolster salesmen's esprit de corps ... Mar. 3 84
How distributors are faring ... May 19 52
Independent laboratory testing – how useful are these tests as promotional material for a new product? ... Mar. 31 38
Industry use of closed circuit TV promotion gathers force ... Jan. 28 50
Insecticides sold for household and industrial uses in 1955 (table) ... June 2 78
Inventors looking for manufacturers demonstrate ideas on TV show ... Jan. 14 68
Koppers sales executive development program – power-think training: spur to creativity ... Feb. 11 93
Large-scale promotion of film packaging materials in person-to-person contact ... Jan. 28 48
Latin America: it's a big $750-million market, but U.S. producers are losing ground to Europe ... Feb. 4 38
Lime – chemical outlets top all others ... Mar. 17 132
Lithium chemicals doubled 1954's production ... Apr. 7 122
Middleman's role in chemicals – bigger in dollars, smaller by percent (chart) ... May 12 35
1956 chemical sales will top $12 billion, says BDSA ... Jan. 7 17
On-the-cuff buying stimulus to chemical sales? (chart) ... Mar. 3 19
Paint industry looking for gradual broadening of sales ... Mar. 3 77
Paint sales $1.5 billion in 1955 (table) ... Jan. 14 27
Paints – 3 leading paint producers average quarterly net sales 1951–55 (chart) ... Apr. 28 35
'Personal touch' in chemical business ads ... June 9 102
Pesticide selling abroad – here's how you proceed in France, England, Germany ... Feb. 11 86
Pharmaceutical advertising – honesty pays ... May 19 56
Phosphoric acid outlook very healthy (chart) ... Jan. 21 80
Pitchmen prove great help in selling specialties ... Mar. 3 42
Plastics show at New York's Coliseum biggest yet ... June 23 80
Polyethylene tops in plastic piping (table) ... Jan. 14 76
Polymerizable plasticizer might boost the $38-million plastisol market ... Apr. 7 84
Predicting long-term cost trends ... Feb. 11 99
Printing big market for chemicals, booming despite TV (chart) ... Apr. 7 44
Product development: panels catch on ... June 9 96
Production manager can balance production and sales ... Apr. 7 49
Psychological tests in selecting salesmen ... June 9 104
Purchasing research influence on sales ... Apr. 28 100
Race for global chemical markets (tables) ... June 30 44
Rare earths market future ... Apr. 28 90
Reagents on volume basis stirs up a tempest ... June 30 48
Recreational boating fastest-growing markets for chemicals (chart) ... Jan. 21 20
Reinforced plastics makers told how to win defense market ... Apr. 14 86
Research director turns down unusable project suggestions from sales department ... Apr. 14 59
Sailor-hobbyists create big market for paints, varnishes, caulkers ... Apr. 28 48
Sales-building goodwill for dry-chemical fire extinguisher ... Jan. 14 88
Sales growth and patent growth pace one another (chart) ... June 30 29
Salesmen's Assn. of the American Industry educational program ... Apr. 28 106
Shampoo – look for new products to hypo sales ... Mar. 24 65
Silicones sales are climbing – one indication: resurging resin output (chart) ... Feb. 25 87
"Single-manager system" selling to the Armed Forces ... May 12 82
Soap and detergent first quarter figures show growth in sales, liquids and small firms ... June 9 46
Soap – hotel-size bars: self-supporting promotion plan ... Mar. 17 146
Speakers to promote better consumer-company rapport ... Jan. 28 47
Supplier-tie-in ads ... May 5 56
Symposiums as stimulus to development ... Feb. 25 49
Synthetic detergents and soaps in U.S. and Europe (chart) ... Apr. 14 42
Synthetic detergents continue to race ahead of soap ... June 2 94
Synthetic rubber plants – though Carbide bid most on butadiene plant, Publicker and Justice Dept. fight sale ... June 9 18
Tags and quality control symbols – swing to quality control promotion ... Mar. 31 78
U.S. chemical sales 1955 and how 20 large firms rank compared with W. German chemical sales (chart) ... June 30 52
U.S. exports to the Soviet bloc countries ... May 12 102
U.S. government bowing out of chemicals–still holds 29 plants ... June 9 27

Separation
One-step chlorination process for recovery of metals and rare earths from black sands ... June 23 65
Swiss add novel reflux control to wetted-wall columns for better separation of close-boiling liquids ... June 16 90
Thermal diffusion separation process ... June 9 93

Shale Oil
Aspeco recovery process to be tried in Denver ... June 23 60
Chemicals from oil shale ... Mar. 3 69
Shampoo – Look for new promotional ideas, new products to hypo sales ... Mar. 24 65

Shipping
American Synthetic Rubber's new mooring towers on Ohio River have three platforms at different levels for safe unloading ... Apr. 21 73
Barge-rail joint rates case hits Supreme Court ... Apr. 7 52
Chemical firms seek lower costs, try leasing transport fleets from insurance firms ... Feb. 18 78
Chemicals by ocean-going tankers (tables) ... June 2 53
Coast Guard revises sea-shipment rules for chlorate mixtures ... June 16 58
Control of intrastate tank-truck shipments ... May 5 51
'Fishy-backing' – nautical version of "piggy-backing" ... May 19 58
Foreign freight forwarding practices up for Congressional scrutiny ... Mar. 17 18
Freight cars handling – ICC orders stiff fines on slow handling ... Apr. 7 57
Freight forwarders are coming under Congressional scrutiny ... Mar. 24 60
Freight rate increase delayed by ICC ... Mar. 3 85
Freight rate increases are shaping up ... Jan. 7 60
Freight savings loom as result of Supreme Court ruling ... May 5 58
Lightweight freight cars ... Jan. 28 48
Liquid methane – proposed safety regulations ... May 12 58
Refined glycerine by seagoing tanker ... Mar. 3 87
6% freight rate hike may set off price increases ... Mar. 10 70
Supersize cylinders of aluminum for transporting vegetable oils ... June 16 58
Tanker orders bring new lift to erratic marine market (chart) ... Feb. 18 28
Silica – Synthetic silicas for specialties ... Apr. 7 128

Silicones
CCDA achievement award goes to Dow's Ballman for silicone work ... Feb. 11 95
No ceiling for silicones ... Feb. 4 75
Sales are climbing (chart) ... Feb. 25 87
Sill process of treating complex ores ... Jan. 14 56

Soap
"Big Three" antitrust case Feb. 18–17, Apr. 28–17, ... May 12 9
Hotel-size soap bars: self-supporting promotion plan ... Mar. 17 146
Shampoo – look for new promotional ideas, new products to hypo sales ... Mar. 24 65
Smaller companies, Armour manufacturer of Dial and Purex manufacturer of Sweetheart Soap, offer competition to "Big Three" ... June 9 46
Synthetic detergents and soaps consumption in U.S. and Europe (chart) ... Apr. 14 42

Soda Ash
Alkali manufacturing plant will handle soda ash and bicarbonate of soda and their upgraded derivatives ... Jan. 21 13
Production in millions of short tons (chart) ... Jan. 21 19
Slurry saves storage costs ... June 2 58

Sodium
New dispersion maker ... Jan. 7 76
Ziegler TEL process may hit the sodium industry ... June 2 92
Ziegler TEL process threat to sodium metal market (table) ... June 2 70

Sodium borate perhydrate – Perborates – stain removers for plastic dishware .... June 30 112
Sodium pentachlorophenate – Probable cure for bilharzia .... Feb. 18 110
Soil conditioners – Arquad 2 HT – newest applicant for soil stabilization .... Mar. 10 46

Solar Energy
Solar furnace at Arizona State College .... Feb. 25 84
Solar furnaces gaining popularity for studies of refractories and high-temperature phenomena .... Jan. 7 54
Solvents – Easy-to-renegate scrubbing solvent saves steam at ammonia plant .... Mar. 3 54
South Africa: sets for chemical spurt .... June 16 36
Southern Research Institute – Fungicide tested on textiles .... Apr. 7 132
Southwest Research Center – Sponsor of Science City .... Apr. 14 71
Spectrometer – Nuclear magnetic resonance spectrometer for metals analysis .... Mar. 3 66

Sponges
Natural sponge market – undaunted by synthetics (chart) .... Mar. 3 19
Starch sponges as carrier for medicaments developed by USDA .... Apr. 28 80
Synthetic sponges – new material is water absorbent .... Apr. 28 58
Titanium sponge capacity up by end of 1956 .... May 5 19
Standardization – Color names – dictionary issued by NBS .... Feb. 25 78

Steel
Alloying elements set records in 1955 (chart) .... June 30 30
Expansion coming; will coal chemicals show it? (chart) .... Apr. 21 42
New ICC rules to allow more stainless steel tank trucks .... May 19 63
Steel industry good indication of business for this year .... Mar. 17 17
Stilbestrol – Animal feed supplements – Washington symposium eyes stilbestrol .... Feb. 18 96
Streptomycin – Suit dismissed .... Apr. 7 10

Styrene
Patents infringement case in Canada, Dow vs Polymer .... Feb. 25 21
Plants on a smaller scale .... Mar. 3 69
Plastics and synthetic rubber spur styrene output .... Mar. 24 76

Sulfur
Barge-rail rate case hits Supreme Court .... Apr. 7 52
Consumption pattern for domestic sulfur (table) .... Jan. 14 27
Mexican sulfur industry is ready to compete for world markets (map) .... May 12 18
Recovering sulfur from hydrogen sulfide .... Jan. 14 66
U.S. sulfur facing stiffening competition .... Mar. 10 69

Sulfuric Acid
Europe catching up with U.S. in sulfuric output (chart) .... Feb. 11 27
Production (chart) .... Apr. 14 41
Synthetic Organic Chemical Mfrs. Assn. – New ideas about government tariff procedures .... May 5 19

T

Tanks
Collapsible tank for dry-cargo vessel .... June 30 50
Polyethylene tanks available to the chemical industry .... Jan. 21 62
Protective coating for tank cars carrying ammonium nitrate solutions .... Apr. 28 43
Rolli-Tanker – new liquid storage unit .... Feb. 18 80

Tantalum
Activities presage new processes .... Apr. 7 102
Liquid-liquid extraction for refining process .... Apr. 28 62
Target – Jan. 7–38, Mar. 17–68, Apr. 28–43, June 2 84

Tariffs
Fluorspar producers tariff increases proposal rejected .... Mar. 31 75
GATT international convention facilitates importation of samples and advertising materials .... Jan. 7 60
GATT – opposition to proposed OTC .... Mar. 24 19
SOCMA has some new ideas about government tariff procedures .... May 5 19
State's tariff stand will affect its attractiveness to new industry Monsanto's Queeny tells Ark. Chamber of Commerce .... Feb. 4 10
Sumner Chemical case brings test of new tariff law on protection against imports .... Feb. 11 38
U.S. chemical exporters hope new tariff concessions will mean an end to export complacency (tables) .... June 30 44
U.S. will cut tariffs on 104 imported chemical products; will get tariff concessions from 17 countries .... June 16 24

Taxation
Brown, J. Graham charges IRS with having "harrassed" him and companies concerning income tax payments .... Mar. 24 36
Butadiene producers won't get assistance from government in form of rapid-tax write-offs .... Mar. 17 21
Chemical property tax rates going up (tables) .... May 12 27
Exemption for nonprofit organizations ACIL vs UL .... Apr. 28 36
Federal tax bill for chemical firms: up 20-fold in 20 years (chart) .... May 19 47
France's turnover tax may soon be revamped .... Feb. 25 25
Increase in sulfur extraction in La. approved by House Ways and Means Committee .... June 16 18
Independent labs to argue new tax proposal .... Mar. 10 48
Laws that affect expansion .... Mar. 3 32
Louisiana gas tax defeated, sulfur mining tax will come up for a vote .... June 30 10
Pension trust funds should be tax exempt–Du Pont tells IRS why .... Apr. 21 20
Proposed sulfur extraction tax increase in La. to help pay increased salaries to school teachers .... June 9 10
Reichhold Chemical and Gulf States Paper win case against the city of Tuscaloosa, Ala. .... May 19 10
Tax-write-offs for butadiene plants – new survey .... Apr. 14 18
Telephone – Novel services keep employees informed of local weather conditions, safety program .... Jan. 21 66

Television
Chemical promotion by closed circuit TV .... Jan. 28 50
Color television promising outlet for rare-earths .... Apr. 28 90
Invention to production – TV's Big Idea helps out .... Jan. 14 68
Video for atomic insight .... Mar. 10 50

Tennessee Valley Authority
Authorized to build its own power plants; how this will affect a chemical firm .... June 9 21
Chemical sales of the TVA mount, but slowly (chart) .... Jan. 7 23
Cuts in industrial activity resulting from a five-week drought (table) Jan. 21–9, Jan. 28 23
Tertiary butylamine – First commercial-size unit built in U.S. .... Apr. 7 102

Tetracycline
Patent suits settled .... Apr. 7 10
Pile up on patents .... Feb. 18 40

Tetraethyl Lead
Electrolytic process vs conventional sodium process (table) .... June 2 70
Production slated for significant increases .... June 2 92
Tetrahydrofurfuryl – Lowpressure catalytic hydrogenation .... Apr. 7 116

Texas
After slow start, petrochemicals are booming at oil-rich Beaumont (map) .... Apr. 7 27
Municipalities encouraging chemical expansion .... Mar. 10 12
Strike ends – here's what settlement of 12-week construction strike means .... June 30 23

Textiles
Cyanoethylated (acrylonitrile-treated) cotton textiles (table) .... June 23 40
Isotactic polyolefins bid for fiber duties .... June 16 64
Miracloth – nonwoven textile demonstrated in supermarkets .... Mar. 3 42
Thermal diffusion separation process .... June 9 93
Tin – Consumption: cans use most (chart) .... June 9 43

Titanium
Aircraft needs spurs technical advances .... Feb. 18 94
Alluvial sands could yield titanium .... Jan. 7 57
Chemical pretreatment: key to Battelle's new process .... Mar. 31 50
Cramet's titanium operations will be shored up by Republic Steel's purchase of a 50% interest .... Feb. 4 13
Hard-to-work titanium – Chem Milling solves metal shaping problems May 26–60, ... June 9 52
Hungarians trying to work up continuous Kroll process .... Apr. 28 79
Production-boosting sodium outlet .... June 2 92
Rutile for titanium: from Australia's beaches to U.S. consumers via a new $1.5-million venture .... June 9 132
Semicommercial titanium organics looking for uses .... Mar. 3 64
Titanium Metals will boost production capacity by 67% .... Mar. 31 13
Titanium sponge capacity up by end of 1956 .... May 5 19
U.S. output and imports (chart) .... Feb. 18 27
Vitro Corp. of America joins with Crane to develop rare earth and titanium raw material sources .... Mar. 17 23
Titanium dioxide – Supply short but relief in sight via major expansions .... Mar. 31 68
Tobacco – Color-comparison method for determining alkaloids in tobacco .... May 5 64
Toothpaste – Fluoride-containing Crest .... Jan. 28 68

Trademarks
More similarity tolerated .... Jan. 28 42
N.Y. court grants injunction against use of "C No. 5" as tradename for perfume .... June 16 40
Univ. of Montreal giving course in patent laws and trademarks for laymen .... June 16 38
Patou, Jean, Inc. suit against F. Millot dismissed .... Mar. 17 44
Spray Net trademark rights recognized .... June 30 40

Training
Chemical companies step up technical training to keep pace with automation .... June 16 96
College-phase of executive training – Carnegie Tech's program .... May 5 32
Companies claim college placement directors for dearth of scientific manpower .... Jan. 7 30
Diversity marks industry's newest efforts to step up technical manpower output .... June 2 28
Dow Texas Div's aid-to-education program for employees, students, teachers .... May 26 25
Executive development: talent on tap – the case of John Smith – report J. A. Newman (chart) .... Jan. 21 37
Ferro Corp.'s enlightened give-away – recruits engineers, trains them, then turns them over to customers .... Mar. 17 118
High school set – target of CPW's career counsellors .... Apr. 21 25
How Britain boosts scientific education .... May 19 38
Koppers sales executive development program – power-think training: spur to creativity .... Feb. 11 93
MCA to decide how to carry out the initial five-year program to interest young people in scientific careers (table) .... June 23 36
Purchasing agent training .... June 2 58
Shorter, more productive meeting through proper training by Management Meeting Clinics .... Apr. 14 28
U.S. firms stick to on-the-job training but ICI sets up full-time apprentice program .... Mar. 17 38
Univ. of Montreal giving course in patent laws and trademarks for laymen .... June 16 38

Transistors
Diffusion best for close control of impurities, Bell Lab finds .... Feb. 4 54
Transistor idea improves control, boosts operation frequency .... Jan. 28 77
Trimethylolpropane process – First shipments from Celanese mean cheaper polyols on way .... June 9 116
Tritium – Strong bid for wide industrial application .... Apr. 7 104

Trucks
ICC recommended to ease restrictions on motor carrier operations .... June 23 86
ICC rules to allow more stainless steel tank trucks .... May 19 63
Tuberculosis – Chemical research gains against TB .... June 30 88
Tungsten – Self-sufficiency at last (chart) .... May 12 35

U

Ultrasonics
Device for testing leather .... Apr. 7 90
Impregnation of paper or cloth with resin varnish or asphalt in preparing electrical insulators .... Jan. 28 77
U.S. Air Force – Air Research and Development Command studies manganese-bismuth magnets .... June 30 72
U.S. Army – Lends its betatron for cancer research .... June 30 74
U.S. Army Quartermaster Research & Development Command – Enzymes research .... June 30 68

U.S. Bureau of Mines
Albany, Ore. station's one-step chlorination process .... June 23 65
Albany, Ore. zirconium pilot plant may be put back on line Jan. 7–21, Mar. 24 50
1955 scientific accomplishments .... Feb. 4 54

U.S. Dept. of Agriculture
Agricultural Research Center's investigations of gibberellic acid as growth stimulant for certain plants .... June 23 66
Starch sponges developed by USDA used by surgeons to control bleeding .... Apr. 28 80

Uranium
AEC is looking to industry for $50 million worth of new uranium production capacity .... May 26 17
AEC planning to lease uranium deposits on withdrawn public land .... Jan. 7 21
AEC seeking customers for uranium-magnesium-fluoride scrap .... Jan. 28 78
AEC signs contracts for new mills .... June 23 66
Ion exchange for separation, recovering fissionable metal from medium and low-grade ores .... Feb. 25 104
Ion exchange in extraction of uranium ores .... Jan. 14 58
Ohio Oil pushes pilot-plant development of process to extract uranium from lignite .... Mar. 17 106

Pick's Delta mine, sold to Atlas for $9 million has reserves worth only $4,083,750 ... May 26 10
Removing cans of radioactive uranium ... Mar. 10 40
Urea – Substituted urea, neburon, for weed control ... Apr. 28 80

V

Vanadium – Antitrust suit against major producers – how does merger affect a firm's antitrust liability? ... June 9 30
Varnishes – Todo, new varnish for the home handy man ... Apr. 28 56

Vinyl
Foamed vinyls process ... Apr. 28 66
Light-stable, low-tack vinyls ... June 2 39
New stabilizers back vinyl's bid for food-film duties ... Feb. 18 106
Resilient foams market – vinyl and urethane types strive to cut latex lead ... Mar. 10 62
Vinyl chloride – Light-stabilizing system introduced ... May 26 71

W

Wages see Labor, Manpower, technical, Research, Selling
Warfarin – Anticoagulant drug prospect ... Feb. 11 48

Waste Disposal
Chevrolet Div. unveils new waste treatment system for removing foreign solids from liquid wastes ... Mar. 17 96
Partnership pact links Carbide and South Charleston in waste-handling project ... Mar. 31 25
Radioactive cesium stored in tanks ... June 30 87
What do syndets do after the washing's done? Makers plan to find out ... Feb. 11 88

Waste Utilization
Aluminum and ferromanganese waste recovery process ... Apr. 14 20
Hydrochloric acid, by-product in war-gas manufacturing plants to be used in process industry ... Apr. 14 96
Radioisotopes – useful by-products of nuclear reactors ... Apr. 7 104
Steroid sapogenin can be recovered from waste matter of the sisal ... Apr. 14 62
Uranium-magnesium-fluoride scrap – AEC seeks customers ... Jan. 28 78
Wet combustion of organic wastes ... Mar. 3 70
Water-conditioning pellets for automobile cooling system ills – a million-dollar enterprise ... Feb. 4 84

Water pollution
Air Pollution Control Assn. 49th annual meeting – chemical companies take leading role in parley ... June 9 32
Bacterial slime promotes fungus growth which fouls up fishermen's nets ... May 26 42
Congressional hearings on water pollution – Blatnik Bill ... Mar. 10 18
Federal lawmakers hear chemical industry gripes ... Mar. 24 19
Fish deaths in Altamaha River – chemical cellulose plant blamed ... Feb. 25 24
Georgia task group talks about Rayonier ... Mar. 24 20
Partnership pact links Carbide and South Charleston in waste-handling project ... Mar. 31 25
Stream pollution ruling in Texas ... Feb. 25 44
Sulfite pulp mill may be forced to close – refused permit ... June 30 9

Water Repellents
Chemical windshield wipers for jet planes ... Apr. 21 52
Treating wooden food containers ups fungicide sales ... May 19 122
Water resources – President's water resources policy (table) ... Jan. 28 23

Water Supply
Buffalo firms plan new water supplies ... Feb. 4 9
Fluoridation – judges say yes, mayors silent ... Mar. 31 29
Fluoridation to be started in Cleveland, Ohio ... June 9 128
Fluoridation upheld ... Mar. 24 36
State legislatures considering special proposals ... Apr. 28 31

Water Treatment
Chemicals to check water evaporation ... Jan. 14 44
Texans map chemical attack on reservoir evaporation ... May 5 65

Wax
FT mineral wax to make high-pressure polyethylene more rigid ... May 26 72
Petroleum wax strengtheners ... Mar. 31 58
Polyethylene-base floor polish – consumer formula for consumer favor ... June 9 58
Synthetic waxes – polish makers incorporate polyethylene resins in polishes ... June 23 49
Wax from fir bark ... Jan. 21 88
Wax-Wiz – automatic floor waxer ... June 9 54

Welding – Pipeline full of metallic sodium freezed before welded ... Feb. 25 102
Wood preservatives: pentachloro gains, but creosote's far in front (chart) ... May 19 47
Wyoming's Green River Basin – Petrochemical promise ... Mar. 17 23

Z

Ziegler process for TEL (table) ... June 2 70
Zinc oxide – U.S. consumption – increase of just 4.4% in last 25 years (chart) ... May 5 90

Zirconium
AEC purchase contracts ... May 12-22, 84
Production-boosting sodium outlet ... June 2 92
Sodium reduction in zirconium manufacture ... Apr. 21 60
U.S. Bureau of Mines' pilot plant at Albany, Ore. may be reactivated ... Jan. 7 21

Author Index

Bolin, Richard L. & Richard F. Messing
Better way to plan your company's growth ... May 19 69
Burrell, Harry
Coatings: How to sell a $700-million market ... Mar. 17 70

Falk, Karl
Just how big a comeback are the Germans making? ... June 30 51

Heiks, Ray E. & others
Your future in nuclear energy ... Feb. 18 45

Mendenhall, Alan R. Jr. & William Mitchell
The sky's no limit ... Apr. 7 61
Messing, Richard F. & Richard L. Bolin
Better way to plan your company's growth ... May 19 69
Mitchell, William, & Alan R. Mendenhall, Jr.
The sky's no limit ... Apr. 7 61

Newman, James A.
Executive development: talent on tap ... Jan. 21 37

Company Index

Abiti Power & Paper – newsprint expansion at Fort William, Ont. and hardboard mill plant at Alpena, Mich. ... May 12 24
Aerojet-General – General Tire and Rubber's subsidiary plans to build liquid-propellent rocket engine plant in Sacramento, Calif. ... June 30 24
Aerosol Process Co. – isobutane-fluorinated hydrocarbon propellants for aerosols ... June 2 76
Air Products, Inc. – company profits as government, industry call for tonnage oxygen ... Mar. 31 15
Air Reduction Co. – diversifying into chemicals brings big boost in income ... May 19 36
Ohio Chemical Pacific – new nitrous oxide process ... Jan. 28 77
Outdoor installation at Calvert City, Ky. ... Mar. 31 70
Pittsburgh expansion project ... June 30 35
Will expand oxygen, nitrogen, and rare gas producing capacity ... Jan. 21 16
Will reoccupy former war plant at Rochester, N.Y. ... Apr. 14 20
Alaska Pine & Cellulose Ltd. – cellulose plant capacity at Port Alice, B.C. will be boosted ... May 12 24
Alaska Pulp Co. – plans pulp mill for Sitka, Alaska ... Feb. 11 18
Albemarle Paper Co. – to recapitalize preferred stock for expansion purposes ... June 16 25
Alco Oil & Chemical Corp. – merger plans with Rainbow Production ... Mar. 31 16
Purchased by group of Cleveland investors ... Mar. 10 19
Allied Chemical & Dye Corp. – Barrett Div. acquires Newark Plaster ... Feb. 11 25
Barrett Div. pushes Melamine dinnerware as chinaware makers and others get set to invade market ... June 16 57
Barrett Div. to boost resin production ... June 9 22
Brunswick, Ga. - new site for chlorine-caustic expansion ... May 19 19
Exhibit in Grand Central Station, New York ... May 26 88
General Chemical Div. acquires N.J. site for sulfuric acid plant ... May 5 20
General Chemical Div.'s expansion of its East St. Louis sulfuric plant ... Feb. 25 35
General Chemical Div. $1.56-million expansion at Baton Rouge ... Jan. 14 17
General Chemical Div. plans plant for sulfuricanhydride at Calumet, Ill. ... Apr. 21 21
Label link for unity ... Feb. 18 84
Makes peroxide nonelectrolytically ... Apr. 14 96
Mutual Chemical Div. patents new method of chromic recovery ... May 19 145
National Aniline Div.'s – Isocyanate plant at Moundsville expected onstream this year ... Feb. 25 23
National Aniline Div.'s research and engineering center addition sparked by isocyanates ... Mar. 24 73
National Aniline Div.'s second unit went onstream at Moundsville, W.Va. ... June 23 68
Nitrogen Div. – new facilities for production of solid ammonium nitrate at Hopewell, Va. ... Feb. 25 26
Nitrogen Div. to get new nitric acid installations ... June 9 22
Patents method of hydroxylating allyl alcohol to make glycerine ... Apr. 21 59
Protective coating for tanks carrying ammonium nitrate solutions ... Apr. 28 43
Semet-Solvay Corp's A–C Polyethylene 629 for floor waxes ... June 2 76
Semet-Solvay Div.'s low-molecular-weight resins for polishes ... June 23 49
Semet-Solvay Petrochemical Div. ready to sell commercial quantities of propylene ... Feb. 18 99
Solvay Process Div.'s hydrogen peroxide plant onstream at Syracuse, N.Y. ... Mar. 3 72
Solvay Process Div. will erect chlorine-caustic plant at Arco, Ga. ... Feb. 18 24
Allis-Chalmers – first installation of the A-C-L cement process ... Jan. 28 92
New synchronous motor ... Mar. 31 66
Pilot plant to test and demonstrate A-C-L cement process ... June 9 93
Aloe Cream Laboratories – making specialty medicines around aloe ... Jan. 7 44
Alox Corp. – expansion at Niagara Falls, Ont. for manufacture of sulfonates ... May 26 21
Aluminum Co. of America – declines to confirm report on smelting plant site ... Mar. 31 17
Lignite as a source of power and chemicals ... Jan. 21 64
Skagway, Alaska smelter plans scrapped ... Mar. 24 14
To begin work on proposed smelting plant in Ohio River Valley ... Mar. 24 20
Will build $80 million smelting plant in Indiana ... Apr. 28 24
Aluminum Co. of Canada – anodizing process to insulate aluminum wire ... Mar. 31 66
Joint-venture operation ... May 26 26
New capacity at Kitimat, B.C. ... May 5 21
American Agile Corp. – offering polyethylene tank to chemical industry ... Jan. 21 62
Polyethlene king-size containers manufacturer ... Apr. 14 80
American Alcolac – Sipon Es, lauryl ether sulfates for shampoos ... June 2 76
American Aniline & Extract Co. – worried about the effect that textile printing with pigments would have on vat dyestuffs sales ... Jan. 21 10
American Can Co. – acquires assets of Kienle and Co. ... May 19 22
American Car and Foundry Industries – Introduces lightweight freight cars ... Jan. 28 48
American Chemical Paint Co. – phenoxybutyrics due for more testing ... Jan. 21 72
2,4-D herbicide being shipped to Belgian Congo to halt threat of water hyacinth ... Mar. 17 146
American Cyanamid – acquired Formica Co. ... Apr. 28 24
Calls for redemption of stock shares ... Mar. 17 25
Chlortetracycline patent suit ... Jan. 14 34
Creslan, experimental fiber ... June 2 17
Cyanoethylation of cotton textiles ... June 23 40
Decided to plead guilty to antitrust charges ... Mar. 3 15
Fluid-bed processing of aniline will get first commercial tryout at Willow Island, W. Va. ... May 12-24 73
McAuliffe, Gen. A.C. to join company ... Mar. 10 12
Melmac dinnerware pushed as chinaware makers and others get set to invade market ... June 16 57
Melamine capacity at Wallingford, Conn. to be increased ... May 12 24
Monomethyle styrene monomer plant at Fortier, La. gets into operation ... May 26 100
Moves to solve problems in selling antibiotics for flesh-food preservation ... Mar. 24 54
Pittsburgh expansion project ... June 30 35
Safety management ... Apr. 28 30
Thimet - new insecticide for cotton growers Jan. 42 ... Mar. 24 83
To sell Chemical Construction Corp. to Electric Bond and Share ... Apr. 21 59
Will double acrylonitrile capacity at Fortier plant, La. ... Apr. 21 21
Willow Island, W. Va. aniline plant - production schedules by 1957 ... June 23 68
American Lithium Chemicals – completed plant in Texas ... Apr. 7 122
Went onstream in a $6.6-million plant at San Antonio, Tex. for leaching of spodumene ... Jan. 7 58
American Machine & Foundry Co. – established commercial development div. to handle new chemical processes ... Jan. 21 16

American-Marietta Co. – acquired Keystone Lime Works ... Jan. 28 25
Adhesive, Resin and Chemical Div. expansion - phenol-formaldehyde and urea-formaldehyde resin plant to be built at Edmonton, Alta. ... June 2 21
5-for-4 split of shares authorized ... June 30 24
Stock split proposed ... June 16 26
To construct Roberta, Ala. cement plant .. Feb. 18 25
American Potash & Chemical Corp. – acquisition of 100% of the stock of Western Electrochemical Co. ... Jan. 7 21
Eston Chemicals Div. started construction of a plant at Vernon, Calif. to manufacture technical-grade parathion .. Jan. 7 20
Pilot-planting an electrolytic perchlorate process ... Mar. 31 65
Shareholders voted to split stock ... May 12 22
To produce lithium fluoride, chloride and bromide ... Mar. 10 60
American Synthetic Rubber Co. – mooring towers on Ohio River have three platforms at different elevations for safe unloading ... Apr. 21 73
Will expand Louisville, Ky, plant ... Mar. 31 10
American Telephone & Telegraph Co. – consent decree settling antitrust case makes available new chemical patents Feb. 4 14
Extension-of-service program ups chemical sales ... Apr. 28 36
American Viscose Corp. – discussing merger with Nopco ... Feb. 4 9
In lieu of merger - chemical expansion .... Feb. 11 21
Prospecting in patent files turns neat profits ... Feb. 11 46
Rayon plant at Marcus Hook, Pa. may be converted into cellophane plant ... June 30 90
American Zinc Co. – smelting plant in the suburbs of St. Louis ... Feb. 25 35
Ansul Chemical Co. – management Meeting Clinics ... Apr. 14 28
'Personal touch' in chemical business ads ... June 9 102
Salesmen spray goodwill ... Jan. 14 88
Arapahoe Chemicals, Inc. – offering 1,800 shares of no-par-value common stock to its present stockholders ... Jan. 7 21
Aries, R.S. & Associates – polyolefin process licensed to a large refiner ... June 30 87
Arizona Chemical Co. – tall oil fractionating unit at Springhill, La., has been planned ... Jan. 7 20
May 12 104
Armour & Co. – arquad 2HT - newest applicant for soil stabilization ... Mar. 10 46
Dial toilet bar - one threat to "Big Three" ... June 9 46
Gee, first of liquid heavy-duty detergent, has been withdrawn from market ... May 26 10
Sales management move ... May 26 84
Armour Research Foundation – industrial research nuclear reactor get AEC approval ... June 23 44,66
Radiation-sterilized foods not around the corner ... Jan. 14 65
Testing anti-icing chemicals ... June 23 52
Ascot Chemical and Adhesive Corp. – will establish a plant in N.Y.C. area to produce transparent tape ... Jan. 14 17
Aspengren Co. – shale oil process developed by Swedish firm ... June 2 66
Shale oil recovery process to be tried in Denver ... June 23 60
Atlantic Refining Co. – to increase output at Philadelphia and Port Arthur refineries ... Mar. 31 16
Atlas Corp. – Pick's Delta uranium mine sold for $9 million has reserves worth only $4,083,750 ... May 26 10
Atlas Powder Co. – approved acquisition of Aquaness Corp. ... Jan. 21 16
Asks stockholders to vote against two resolutions ... Mar. 31 16
Booklet on disability wage plan for employees ... Mar. 17 36
Audio Devices, Inc. – monopoly of patents lawsuit against 3 M and Armour ... Apr. 28 28
Aula Chemicals, Inc. – trade secrets suits filed ... May 26 28
Avco Manufacturing Co. – shock tube for high temperatures built at research laboratory ... Apr. 14 64

Babbitt, B.T. – Cameo Copper Cleanser, largest selling dry powder ... June 30 112
Babcock & Wilcox Co. – AEC permission to design, fabricate and operate liquid-metal-fueled reactor experiment (LMFRE) ... May 12 74
Nuclear fuel elements made and tested in new plant ... May 26 72
Pulping and recovery process licensed to Brown Co. ... Apr. 28 24
Badische Anilin & Soda-Fabrik – oxythermal carbide process ... May 12 60
Polystyrene foam process granted patent in U.S. ... June 2 20
Baird Associates, Inc. – evaporograph new approach to pyrometry ... Mar. 3 56
Bakelite Co. – trying chemical uses of microballoons ... Apr. 28 79
Baker, J.T., Chemicals – first reaction vessels and crystallizers are in place at new plant for producing purified and reagent inorganics ... Jan. 7 57
Liquid reagent bottling ... June 30 48
Barr, G. & Co. – aerosol form of iodine reported ... May 12 40
Aerosol hair laquers ... Jan. 28 72

Basic Refractories – stockholders approved changing name to Basic, Inc. ... Apr. 7 22
Bayer Aktiengesellschaft – purchasing manager studies U.S. practices ... Jan. 21 60
Bayer Chemical Works – Isotope laboratory uses geiger counter to keep floors free from radioactivity ... Apr. 14 60
Becco Chemical – hydrogen peroxide expansion ... Mar. 3 72
Launches career in organic specialties with long-chain olefin oxides made via epoxidation ... Jan. 21 90
Beckman Instruments – automatic radiation counter ... June 9 84
Bell Telephone Laboratories – field-evaluating cyanoethylated jute ... June 23 40
Transistor technology ... Jan. 28 77
Feb. 4 54
May 12 73
Bemis Bros. Bag. Co. – fertilizer packer ... Mar. 17 124
Bendix Aviation Corp. – pocket-type dosimeters for atomic workers ... May 12 46
Bennett, Donn, Production, Inc. – video showcase for inventions "The Big Idea" ... Jan. 14 68
Berg Laboratories – Philadelphia's chemical commotion has subsided ... May 26 28
Beryllium Corp. – plans to diversify chemical operations ... Mar. 24 20
Best Fertilizers Co. – sulfuric acid expansion project in San Joaquin County, Calif. ... May 26 21
Bethlehem Steel – leach process to extract nickel and cobalt from low-grade Cuban ore ... Apr. 21 59
Bio-Rad Laboratories – radioisotopes and tagged compounds - commercial processing ... Apr. 7 104
Blaw-Knox – Chemical Plants Div. to build vegetable oil deodorizing system ... June 9 93
Boeing Airplane – supersonic bomber - Project 110 ... Apr. 7 101
Borax Consolidated Ltd. – discusses merger with U.S. Potash Co. ... May 5 9
PCB is returned to U.S. ownership after 60 years ... May 12 20
Borden Co. – acquired Resin Industries .... Apr. 14 21
Chemical Div.'s methanol plant in Brazil to be completed ... Feb. 25 25
Plans capacity boost for methyl acetate .. Mar. 17 25
Polyco-Monomer Dept's MPL Monomer .... Apr. 7 84
To erect formaldehyde plant at Kent, Wash. ... Feb. 4 17
Will build formaldehyde and synthetic resin plant in Fayetteville, N.C. ... Apr. 28 24
Borg-Warner Corp. – Marbon division plans thermoplastics plant in W. Va. .... Feb. 11 25
Bostwick Laboratories – aerosol-packed oven cleaner, Hep ... Jan. 21 70
Bowater Paper Corp. – considering sites for paper mill ... May 19 22
Newsprint production to be increased ..... Mar. 3 16
Bowater Southern Paper Corp. – 400-tons/day pulp and paper plant in S.C. given green light for waste disposal ... May 26 21
Bower, Henry Mfg. Co. – awards contract for cuprous chloride plant in Philadelphia, Pa. ... June 16 25
Bristol Laboratories – Bryamycin - new heart drug ... Mar. 3 62
Tetracycline patent suit settled ... Apr. 7 10
British American Oil Co. – plans catalytic reformer unit at Toronto refinery ... Feb. 4 17
B.C. Forest Products, Ltd. – plans to spend $60 million on Crofton pulp mill Feb. 4 9
British Drug Houses Ltd. – fluid reagents sold in Canada by metric volume ... June 30 48
Broemmel Pharmaceuticals – eye solution, Smog-Pak, tailored for smog situation in L.A. ... Feb. 18 66
Brown Co. – considering further expansion Apr. 28 24
Processing of waste-pulping liquors ... May 19 144
Says increase in shares is for expansion by acquistion of other companies through stock trade deals ... May 5 21
$17-million plant addition will be built .... Feb. 25 26
Budd Co. – dermatitis contracted in epoxy tooling unit - outcome of sitdown strike ... May 26 28

Calahan, H.A., Inc. – acrylic made adhesive ... Apr. 28 48
Calera Mining – building pilot plant at Garfield, Utah to explore possibility of producing cobalt electrolytically ..... Feb. 4 70
Mar. 3 70
Calveras Cement – plans plant expansions .. Mar. 10 19
Camp Mfg. Co. – merger with Union Bag & Paper Corp. planned ... June 16 25
Canada Cement – cement capacity will be boosted ... Mar. 3 16
Canadian British Aluminium – Baie Comeau, Que, plant gets new construction timetable ... May 5 21
Quebec North Shore Paper Co. will join in construction of a smelter at Baie-Comeau, Que. ... June 23 24
Canadian Celli-cotton Products – changed name to Kimberly-Clark Products ... Apr. 14 21
Canadian Industries, Ltd.
Cornwall, Ont facilities to be tripled .... Feb. 18 24
Expansion of explosives, nitric acid and polyethylene facilities ... Apr. 14 20
High-bake, extra-hard coatings ... Feb. 18 62
Hydrogen peroxide plant planned at Hamilton, Ont. ... May 12 24
H. Greville Smith tells government group about country's economic prospects ..... Mar. 3 15

Speaker service can be fast, dynamic goodwill ... Jan. 28 47
Canadian Oil Companies, Ltd. – Benzene, toluene, xylene extraction and platforming unit to be built at Sarnia, Ont. refinery ... May 26 21
Canadian Titanium Pigments Ltd. – begins construction of plant at Varennes, Que. ... May 5 20
Carbide and Carbon Chemicals – derailment of styrene tank car in Charleston, W. Va. causes near panic ... June 2 22
Dynel production ... June 2 17
Novel telephone services ... Jan. 21 66
Peracetic acid process gets rolling ..... Apr. 14 92
Petrochemical production began in 1925 ... Apr. 7 18
Plans to build and operate new sewage treatment plant lowers cost of South Charleston's sewer bonds $80,000 ... June 9 10
Polymerizable plasticizer ... Apr. 7 84
Carborundum Corp. – to boost silicon carbide capacity with expansion of Vancouver, Wash. plant ... June 16 25
Carborundum Metals Co. – will build plant at Parkersburg, W.Va. to supply AEC with zirconium ... May 12 22
Cardinal Chemical Co. – started production at new superphosphate plant at Danville, Ky. ... Jan. 7 20
Carlisle Chemical Works – bonding agent suit against Maguire Industries and Nostrip, Inc. ... June 23 32
Carter Products – aerosol shave cream suit–Colgate will petition for a review ..... Apr. 7 130
Cary Chemical Inc. – plans to offer shares of common stock ... June 30 24
Casella, Leopold Co. – Bayer, Hoechst and BASF team up to buy Casella ... Mar. 24 17
Catalin Corp. – merger with Reichhold within three months planned ... Apr. 14 17
Catalytic Combustion Corp. – leader in developing catalysts ... June 2 84

Celanese Corp. of America – Chemist J. Becker Jr. offers new method of determining CPVC of emulsion paints ... June 9 121
Expansion planned ... Apr. 21 22
Polyolefin resin plant to be built near Houston, Tex. ... Apr. 7 22
Trimethylolpropane process ... June 9 116
Will expand its Bishop, Tex. plant ..... Apr. 28 24
Central Farmers Fertilizer Corp. – takes on role of agricultural chemical producer ... Feb. 18 22
Certain-teed Products Corp. – gypsum and paper business will be transferred to newly formed Bestwell Gypsum Co. ..... May 26 22
Chadeloid Corp. – citrus wastes can be used to make new type of wood stain ... Feb. 18 90
Champion Paper & Fibre – directors have recommended 2-for-1 stock split ..... May 12 22
Chemagro Corp. – will expand operations of agricultural chemicals ... Mar. 31 9
Chemical Enterprises – intends to stay in fertilizer business in spite of setbacks ... Feb. 25 52
Chemical Process Co. – develops two homogeneous liquid epoxy hardeners ... Feb. 4 70
Duolite A-100 series of new styrene-base anion-exchange resins ... May 26 72
Semi-autonomous Adhesives Div. established ... Mar. 3 30
Unveils new anionic resin series ..... June 9 118
Chemstrand Corp- acrilan production ..... June 2 17
Chemway Corp. – purchased E.A. Bromund Co. ... Apr. 14 21
Chester Packaging Products Corp. – will be operated as a subsidiary of St. Regis Paper Co. ... Jan. 28 25
Chipman Chemical Co. – liquid Shed-A-Leaf products, new defoliant ... Feb. 25 72
Plans herbicide unit at Portland, Ore. .... Feb. 18 24
Chipman Chemicals Ltd. – to establish central administrative offices in Hamilton, Ont. ... Feb. 4 17
Ciba Pharmaceutical Products – Ecolid, new heart drug ... Mar. 3 62
Forming new sales division and districts ... Jan. 14 88
Climax Molybdenum – to double molybdic oxide capacity by installing second sublimation furnace at Langeloth, Pa. plant ... Mar. 24 20
Will submit joint proposal with Mallinckrodt Chemical to AEC to refine uranium compounds ... May 12 22
Clopay Corp. – vinyl and polyethylene film plant in Augusta, Ky. ... Jan. 28 48
Clorox Chemical Co. – directors declared a 100% stock dividend ... Apr. 14 21
Chlorsodium Cells Corp. – Szechtman cell may cut present sodium production costs by as much as 50% ... June 2 92
Colgage-Palmolive Co. – aerosol shave cream suit – review sought ... Apr. 7 130
"Big Three" antitrust case Feb. 18–17, Apr. 28–17, May 12–9, ... June 23 17
Fund raising campaign for U.S. Olympic Fund ... June 16 46
GAW rejected: alternates picked ... Feb. 18 35
Heavy-duty liquid detergent, tentatively named Spree, several months away from being marketed ... May 26 10
Laundry on wheels tests detergents under local conditions ... Mar. 10 75

Collins Laboratories — jel extracted from aloe vera into medically accepted ointment ... Jan. 7 44
Colton Chemical Corp. — trying chemical uses of microballoons ... Apr. 28 79
Columbia River Chemicals Corp. — financing still pending on anhydrous ammonia plant at Attalia, Wash. ... Mar. 31 17
Columbia Southern Chemical — hydrogen peroxide plant to feel out the field ... Mar. 3 72
Will expand chlorine-caustic production capacity at Lake Charles, La. ... Jan. 14 17
Columbian Carbon, Ltd. — ground broken for new printing ink plant outside Toronto, Ont. ... Jan. 7 21
Will install carbon black at North Bend, La. ... Mar. 24 14
Commercial Solvents Corp. — nitric acid unit planned at Sterlington, La. ... Feb. 18 17
Nitroparaffin development program ... May 12 92
Sales management move ... May 26 84
Third symposium on nitroparaffins in four months ... Feb. 25 49
Will boost methanol and petrochemical derivative facilities at Sterlington, La. ... Mar. 10 18
Commodity Credit Corp. — AEC zirconium import deal ... May 12 22
Commonwealth Engineering Co. of Ohio — carotene from citrus rind to replace coal-tar dyes for citrus fruit ... June 30 88
Concord Chemical — purchases assets of Standard Soap Co. ... Feb. 18 25
Connaught Medical Research Laboratories—preparing for polio vaccine ... Apr. 7 112
Consolidated Electrodynamics Corp. — recovering sulfur from hydrogen sulfide ... Jan. 14 66
Continental Can Co. — merger plans with Hazel-Atlas Glass Co. announced ... June 16 2
Uncoatable edge of metal on inside of lid seat eliminated ... Mar. 24 70
Continental Oil — purchased capital stock of Sherwood Refining Co. ... Feb. 25 17
To increase catalytic reforming capacity at Ponca City, Okla. ... Apr. 21 22
Copolymer Rubber & Chemical Corp. — expansion of Baton Rouge plants will soon start ... June 23 25
Copper Brite, Inc. — Copper Brite, copper polish ... June 30 112
Copper Clad Products — Samae, liquid and powder copper cleanser ... June 30 112
Corning Glass Works — organizes refractories division ... Feb. 4 17
Product development: panels catch on ... June 9 96
Cosden Petroleum — expansion planned for nitration-grade benzene, toluene and xylene ... Mar. 24 20
Merger with W.R. Grace May 5—9, ... May 19 19
Small scale styrene plant ... Mar. 3 69
Coughlin, G. N. Co. — paste-type oven cleaner, Easy Aid ... Jan. 21 70
Cowles Chemical Co. — stock-split approved ... Apr. 21 22
Cowles Dissolver Co. — sodium dispersion maker gets support from U.S.I. ... Jan. 7 76
Cramet, Inc. — titanium operations will be shored up by Republic Steel's purchase of a 50% interest ... Feb. 4 13
Crane Corp. — vitro joins with Crane to develop rare earth and titanium raw material sources ... Mar. 17 23
Crown Zellerbach — Camas, Wash. mill to install furnace; new dimethyl sulfide pilot plant onstream ... May 19 22
Camas plant to produce dimethyl sulfide from kraft black liquor ... May 19 145
Gaylord Container Div. offers midget-size corrugated box ... May 26 90
Newsprint production at Ocean Falls, B.C. mill curtailed due to water shortage ... Feb. 4 9
Tackles pollution problems that plague Columbia River fishermen ... May 26 42
Will interrupt evaporation of black liquor to make dimethyl sulfide ... Jan. 7 50
Curtis, Helene — refillable purse-size gair-spray ... June 16 46
Spray Net trademark suit settled ... June 30 40
Cutter Laboratories — New vaccine suit ... May 5 34

Damodar Valley Corp. — patterned along lines of TVA ... Mar. 3 24
Daubert Chemical Co. — volatile corrosion inhibitors for heat-seal wrappings ... Mar. 3 46
Davison Chemical Co. — Nurish- first molybdenum-containing plant food ... Mar. 24 66
Daycon Products Co. — Sen Spray, aerosol-packed oven cleaner ... Jan. 21 70
Dayton Rubber Co. — sales growth and patent growth pace one another ... June 30 29
Dearborn Chemical — research director's handling of rejections ... Apr. 14 59
DeBell & Richardson — Dacralon of interest for Air Force radar shelters ... May 12 73
Deering, Milliken & Co. — suit against Temp-Resisto Corp. and Samuel Kaplan & Sons ... Apr. 14 35
Delaware Barrel & Drum Co. — patented coating process for lining drums with polyethylene ... May 12 57
Delaware Chemicals, Inc. — gains points in fight to stop Reichhold from making pentaerythritol ... Feb. 18 23
Pentaerythritol know-how court case ... Feb. 25 17
Plans to hold symposium every year ... Feb. 25 49
Delhi-Taylor Oil Corp. — Moab, Utah, potash mining and beneficiation development — financing ... May 26 21
Demert & Dougherty — Spee-Dee Oven Cleaner, aerosol-packed ... Jan. 21 70
Detrex Corp. — plans purchase of Hooker-Detrex, Inc. plant ... May 19 22
Dewey & Almy — Container & Chemical Specialties Div. — salesmen's esprit de corps bolstered by house party ... Mar. 3 84
Diamond Alkali — 53% increase in net profits, puts firm into $100-million class ... Jan. 21 13
Integrated data-processing system cuts out intermediate steps ... Mar. 24 58
Portland cement capacity upped at Painesville, O. ... Mar. 10 19
Doeskin Products — facial tissue research ... Apr. 28 52
Dolcin Corp. — FTC charges alleged violation of court order and cease-and-desist order ... June 2 29
Dominion Tar & Chemical — plans crude tar distillation in Hamilton, Ont. ... Mar. 24 20
Donner-Hanna Coke Corp. — to improve coke-oven gas purifying facilities at Buffalo, N. Y. ... Apr. 21 22
Dorr-Oliver Inc. — Fluo-Solids process ... Mar. 31 65
Will acquire control of Merco Centrifugal ... Feb. 11 25
Dow Chemical Co. — acrylamide patent ... Feb. 25 83
CCDA achievement award goes to Dow's Ballman for silicone work ... Feb. 11 95
Considering new fiber ... Jan. 28 77
Detailed engineering: gift to community development program in Texas ... Mar. 31 31
Distributor programs help dealer and supplier spur LCL sales ... Apr. 21 72
Excessive tax rates suit expected ... May 12 27
Freeport, Tex. agricultural research on cotton growth-control chemicals ... Apr. 28 88
Glycerine production expansion ... Feb. 25 26
Imports Russian benzene ... May 19 10
Magnesium plant in the St. Louis area ... Feb. 25 35
New locations near Baton Rouge ... Mar. 3 14
Petrochemical plant planned near the Bay Refining Corp. facilities at Saginaw, Mich. ... June 23 25
Phenoxybutyrics due for more testing ... Jan. 21 72
Picks up option on site north of Placquemine, La. ... June 9 9
Planning administration center at Freeport, Tex. ... Jan. 28 25
Plans expansion of acrylonitrile at Freeport ... Apr. 21 21
Q-1204, fiber which lies in the acrylic field ... June 2 17
Styrene patents law suit filed against Polymer ... Feb. 25 21
Texas Div.'s aid-to-education program to help secure scientific manpower ... May 26 25
Thermoplastic, Styrex 767 ... June 9 94
Three-year wage pact ... Apr. 14 30
University of Mich. joint research project in insect taxonomy ... June 23 42
Will build plant for production of styrene-butadiene at Pittsburg, Calif. ... Jan. 28 25
Dow Corning — 60% of nations silicone business ... Feb. 25 87
Druggist Supply Corp. — brokerage fees stopped ... Feb. 25 42
Duncan, Dieckman & Duncan Mining Co. — leaching plant to be added to Mena, Ark. plant June 2—23, ... June 30 24
Du Pont de Nemours, E.I. & Co. — aerosol formulation based on Elvalan vinyl copolymer for protective coating ... May 12 52
Begins expansion at Belle, W. Va. adipic acid plant ... May 5 20
Belle Works employees finance their own recreation facilities ... Mar. 17 36
Belle Works partial combustion process switched from coal to gas ... June 30 87
Blue phthalocyanine dye features brightness, fastness ... Mar. 24 88
Cashed in on CCTV ... Jan. 28 50
Cellophane expansions ... June 30 90
Cellophane monopoly charges cleared by Supreme Court ... June 23 21
Coated and impregnated fabrics plant at Newburgh, N.Y. to increase capacity ... Mar. 3 17
Color-sealed black nylon by spin- or solution dyeing ... June 2 66
Considering construction of Orlon acrylic fiber plant in Waynesboro, Va. ... Jan. 14 17
Constructing halomethanes plant at Antioch, Calif. ... May 5 20
Crabgrass killer ... May 5 74
Dulux 100 and Lucite finishes — enamels and lacquers compete for auto paint business ... Mar. 10 73
Employee stock purchase plan successful ... Feb. 11 40
Explosive liability case in Oregon several years ago still landmark for chemical process concerns ... Jan. 28 32
Isocyanate infighting ... Mar. 24 18
Launches new elastomer lab ... May 5 64
Lucite acrylic lacquer ... Apr. 28 58
Neburon, substituted urea for weed control ... Apr. 28 80
Opposes proposed tax ruling aimed at pension trust funds ... Apr. 21 20
Orlon acrylic fiber production ... June 2 17
Plans doubling capacity polyethylene production ... June 16 25
Polyoxamide fibers: stronger, potentially cheaper than nylon ... Mar. 31 54
Polyurethane foam import patent infringement ... Apr. 7 21
Production of tolyl dilsocyanate on stream at Deepwater ... Feb. 25 23
Supreme Court dismisses government's cellophane monopoly charges ... June 16 17
Texas strike ended ... June 30 23
Titanium organics in semiworks production ... Mar. 3 64
Treasury ruling on pension trust funds ... Apr. 7 10
Treated teflon may be joined with most commercial adhesives ... Feb. 11 90
Two new automobile paints launched ... Jan. 21 74
Two patents shed light on Lusane Blue B. dye ... June 9 94
Will gain from widespread acceptance of sodium dispersion in production work ... Jan. 7 76
Ziegler licenses gives electrolytic process careful examination ... June 2 70
Du Pont of Canada, Ltd. — hydrogen peroxide plant planned at Maitland, Ont. ... May 12 24
President Crawford Greenewalt's talk on industry's problem of preserving the creative genius ... Apr. 28 80
Special packaging laboratory ... Jan. 14 88
Will erect Orlon staple at Maitland, Ont. ... Mar. 31 10
Du Pont of Canada Securities Ltd. — proposal to transfer Du Pont of Canada to the parent company and change name to Du Pont Co. of Canada, Ltd. ... June 23 24

Eagle-Picher Co. — sales management move ... May 26 84
East African Sisal Estates, Ltd. — hecogenin pilot plant near Nairobi ... Apr. 14 62
Eastman Chemical Products — buturate paper coating ... Jan. 28 68
Polyethylene waxes for polishes ... June 23 49
Tenite for piping transporting crude oil ... Jan. 14 76
Eastman Kodak Co. — nonexclusive rights to produce high-density polyethylene and polypropylene plastics ... June 23 65
Economics Laboratory — Dip-It stain remover gets a boost from resin makers ... June 30 112
Eldorado Mining and Refining Co. — uranium pilot plant to be constructed ... June 30 24
Electric Bond and Share Co. — formed Escambia together with UGC and National Research Corp. ... Feb. 25 40
Electric Reduction Sales Co. — phosphate expansion planned at Hamilton, Ont. ... Feb. 18 17
Electro Manganese Corp. — stockholders approve merger into Foote Mineral ... Mar. 17 17
Electro Metallurgical Co. — Government's antitrust suit against Elektromet for further proceedings ... Feb. 25 17
Titanium plant in Ashtabula, O. will need some 30 million lbs. of sodium ... June 2 92
Electronic Control Systems — offers machine to make tape for control of intricate process operations ... June 2 74
Electronic Rubber Co. — polyvinyl chloride insulation ... Jan. 7 58
Polyvinyl chloride research ... Jan. 14 42
Elmo, Inc. — price discrimination charges ... Apr. 14 36
El Paso Natural Gas — complex to be built at Odessa, Tex. will include installation to produce butadiene ... Jan. 28 80
Emkay Chemical Co. — plans synthetic detergent plant at Charlotte, N.C. ... June 16 25
Emulsol Chemical Corp. — emulsifiers permit insecticides and liquid fertilizers to be mixed ... Mar. 24 68
Polyester production started ... Apr. 7 20
Endo Products Inc. — tubocurarine cuts recovery time of polio victims ... Feb. 25 64
Escambia Bay Chemical Corp. — easy-to-renegate scrubbing solvent saves steam ... Mar. 3 54
Entry into resins, PVC ... Jan. 28 25
Florida's only ammonia producer ... Feb. 25 40
Hydrogen purification for ammonia synthesis ... Feb. 25 83
Pensacola, Fla. plant already turning out anhydrous ammonia ... Feb. 11 83
Esso Research and Engineering Co. — President Eger V. Murphree in charge of country's guided missiles program ... Apr. 7 21
Esso Standard Oil Co. — to expand Baton Rouge refinery ... Mar. 31 16
Eternit, S.P.A. — plans asbestos-cement plant near Vancouver, B.C. ... Mar. 10 18
Ethyl Corp. — Baton Rouge, La., multi-million-dollar vinyl chloride monomer plant to be built ... May 26 21
Invested effort in sodium-dispersion technology ... Jan. 7 76
May build TEL plant at Lockport, Ill. ... June 16 18
TEL producer gathering experimental data ... June 2 70

Evans Research & Development Corp. – enzymes research ..... June 30 68
Evis Mfg. Co. – FTC drops charges in water conditioner case ..... June 2 29
Exolon Co. – plans expansion program at Tonawanda, N.Y. and Thorold, Ont. ..... Mar. 17 25

Fairmount Chemical Co. – long-time hydrazine maker ..... Apr. 14 71
Fansteel Metallurgical Corp. – tantalum and columbium expansion program ..... Apr. 28 62
Tantalum extraction pilot plant planned ..... Apr. 7 102
Farbach Chemical Co. – patent infringement countersuit against International Industries ..... Apr. 28 28
Farben, I.G. – Bayer, Hoechst and BASF team up to buy Casella ..... Mar. 24 17
Speedy liquidation not yet in sight ..... Apr. 14 34
Farbenfabriken Bayer – Bayer, Hoechst and BASF team up to buy Casella ..... Mar. 24 17
Farbwerke-Hoechst AG – Bayer, Hoechst and BASF team up to buy Casella ..... Mar. 24 17
Heavy-water unit details ..... Feb. 18 24
Olefins from oil ..... June 2 65
Polypropylene activity ..... Feb. 4 69
Purchasing director studies U.S. practices ..... Jan. 21 60
Federal Pacific Electric Co. – coating aluminum conductors ..... Apr. 28 66
Fenolic International, Inc. – introducing a new varnish, Todo ..... Apr. 28 56

Ferment-Acid Corp. – citric acid process patent suit to be filed against Miles ..... Apr. 7 32
Ferro Chemical Corp. – new stabilizers back vinyl's bid for food-film duties ..... Feb. 18 106
Ferro Corp. – recruits engineers, trains them, then turns them over to customers ..... Mar. 17 118
Fertilizantes Sinteticos – Peruvian fertilizer producer plans petrochemical plant ..... Mar. 17 25
Filtrol Corp. – stockholders voted to increase authorized common shares ..... May 12 22
Will build catalyst plant ..... Mar. 31 10
Firestone Tire & Rubber Co. – Catalytic Construction started work on butadiene plant near Orange, Tex. ..... June 30 23
Coral rubber revealed ..... June 2 66
$1.9-million expansion of Lake Charles plant ..... Jan. 14 17
Styrene plant will be erected near Orange, Tex. ..... May 12 24
Testing apparatus for synthetic rubbers ..... Mar. 17 62
Firmenich & Co. – synthetic ambergris, thirty years in the making, is now moving out of the test tube into perfume vials ..... Feb. 4 61
Fisher Scientific Co. – added safety for laboratory shielding ..... Feb. 4 66
Chromatographic instrument for hydrocarbon separation ..... Jan. 21 91
Selling liquid reagent by avoidupois volume ..... June 30 48
Fisons Ltd. – mixed fertilizers joint-venture operation ..... May 26 26
Flintkote Co. – gypsum processing plant at Sweetwater, Tex. will be started ..... June 23 24
Foam King, Inc. – vinyl foam processing ..... Apr. 28 66
Folding Box Assn. – packaging research ..... Apr. 14 88
Food Machinery and Chemical Corp. – advance research lab at New York University ..... June 2 44
New company post – management recruitment and placement coordinator ..... Jan. 21 14
Stockholders to vote on increasing common shares ..... Apr. 21 22
Westvaco Mineral Products Div. is boosting its barium oxide production ..... May 12 24
Westvaco Div. may erect new phosphorus plant at New Orleans ..... Jan. 14 17
Westvaco – plans to double capacity for sodium and potassium phosphates at Newark, Calif. plant ..... Mar. 31 10
Foote Mineral – alkaline leaching of spodumene in lithium process ..... Jan. 7 58
Increased lithium capacity ..... Apr. 7 122
Ford Motor Co. – suit protesting municipal annexation ..... Feb. 25 42
Foster Grant Co. – doubles capacity at Baton Rouge, La. and Leominster, Mass. plants ..... May 5 20
Expansion of styrene plant at Baton Rouge ..... Jan. 14 17
Plans plastic-from-caprolactam plant at Leominister, Mass. ..... June 16 18
Small scale styrene plant ..... Mar. 3 69
Stock interest sold ..... Feb. 4 17
Freeport Sulphur – leach process to extract nickel and cobalt from low-grade Cuban pre ..... Apr. 21 59
Plans nickel-cobalt plant in one of Gulf States ..... June 9 22
French Lafarge – plans cement plant at Lulu Island, B.C. ..... Mar. 17 26
Frontier Chemical Co. – airbased offices save taxi time ..... May 5 34

Gallowhur Chemical Corp. – court ruling in trade secret case ..... Jan. 21 30
Patent infringement law suit against Herbert Stecker settled ..... May 26 29
General American Transportation Corp. – foreign-domestic tank storage terminal planned for Chicago's harbor facilities at Lake Calumet ..... Mar. 3 87
General Aniline & Film – Calvert City plant: U.S. debut of commercial high-pressure acetylene derivatives ..... Mar. 17 90
Consultant McNeill tells the whys and hows of tight research budgeting for small firms ..... Feb. 18 102
Gafite – chloromethacrylate plastic ..... May 5 71
Government holdings worth over $100 million may be sold this fall ..... June 30 22
Washable leather development ..... May 19 97
Will go ahead on ethylene oxide ..... Mar. 24 14
General Chemical – EM-923, new miticide for fruits ..... Jan. 28 78
General Electric – ali-dry battery ..... Mar. 24 70
Chemical & Metallurgical Div. becoming more potent factor in chemical industry ..... May 19 20
Cyanoethylation of paper for insulators in small capacitors ..... June 23 40
Irradiated polyethylene insulating tape ..... Mar. 10 59
Lamp Div. to build quartz plant at Willoughby, O. ..... Feb. 11 25
Patent on process for making diborane ..... Apr. 7 101
Permit from AEC to build reactor ..... May 26 72
Propellent Development Lab ..... Feb. 18 89
Protesting municipal annexation ..... Feb. 25 42
Purchases land adjacent to silicone plant at Waterford, N.Y. ..... May 5 21
Radioactive waste disposal ..... June 30 87
Synthetic diamond process kindles hope for U.S. independence of imports ..... May 19 144
35% of nations silicone business ..... Feb. 25 87
Ultrasonics in the manufacture of electrical insulations ..... Jan. 28 77
Will move plastics department to Decatur, Ill. ..... Mar. 24 21
General Mills Inc. – vinyl plasticizer suit filed by Rohm & Haas ..... Mar. 3 10
General Motors – Chevrolet Div. unveils new waste treatment system ..... Mar. 17 96
General Portland Cement Co. – plans $10-million cement plant near Miami, Fla. ..... Feb. 4 16
General Refractories of Canada, Ltd. – plans refractory plant at Smithville, Ont. ..... Mar. 17 26
General Tire & Rubber Co. – expansion of vinyl resin plant near Ashtabula, O. ..... May 26 21
Purchased a stock interest in A. M. Byers Co. ..... Jan. 28 25
To build rubber making outfit at Odessa, Tex. ..... Jan. 28 80
Georgia-Pacific Paper Co. – kraft paper mill to be built at Toledo, Ore. ..... June 2 23
Gibson, Harold; Industries – Rustoff – liquid rust-stain remover for textiles ..... Jan. 14 68
Glamorene, Inc. – upholstery cleaner marketing campaign ..... May 26 55
Glidden Co. – Reading, Pa. paint producing capacity to be upped ..... Mar. 31 16
Tall oil unit to be constructed in Florida ..... May 12 104
Gonzales Chemical Co. – Puerto Rican producer expands ..... Jan. 28 24
Goodrich Chemical – Darlan production moving up ..... June 2 17
Polyvinyl resins and plastic compound capacity at Avon Lake, O., to be doubled ..... Apr. 14 20
Pulling most of way out of agricultural chemical field ..... Mar. 31 9
Silica in research stage ..... Apr. 7 128
Goodrich-Gulf Chemicals – polyisoprene plant ..... Apr. 7 115
Prospective butadiene consumer ..... Jan. 28 80
Research on duplication of natural rubber ..... June 30 20
Sale of government-owned synthetic rubber plant considered GOP giveaway to big business ..... Jan. 21 15
Sale of the Institute, W.Va. synthetic rubber plant goes to Congress ..... Jan. 14 9
Goodyear Tire & Rubber Co. – improvement within rubber grades – type 1773 introduced ..... June 30 20
Rolli-Tanker – new liquid storage unit ..... Feb. 18 80
Grace Chemical – optioned site near Baton Rouge for $18-million polyethylene plant ..... Jan. 14 17
Grace, W.R. & Co. – merger with Cosden Petroleum May 5–9, ... May 19 19
New polychemical contender ..... Mar. 17 42
Phillips process to be used in new polyethylene plant ..... Jan. 14 65
Semiworks quantities of low-pressure polyolefins may start issuing from Baton Rouge plant ..... Feb. 25 83
Grand Central Rocket Co. – solid-fueled third-stage rocket for Project Vanguard ..... Apr. 14 72
Great Lakes Carbon Corp. – participating in talks of joint U.S.-British pulp and paper facility in New Brunswick, Can. ..... Feb. 25 26
To boost production capacity of carbon and graphite ..... June 16 25
Great Lakes Oil & Chemical Co. – Filer City, Mich. bromine plant – construction of addition has begun ..... June 23 25

Great Lakes Paper – expansion planned ..... Apr. 14 20
Newsprint unit slated for completion by July '58 ..... Apr. 7 22
Great Products, Inc. – water-conditioning pellets for auto-cooling system ills build million-dollar enterprise ..... Feb. 4 84
Green Bay Mining and Exploration, Ltd. – lithium concentrator in Manitoba's Herb Lake area planned ..... June 23 25
Green, R. & H. and Silley Ware of London – collapsible tank introduced ..... June 30 50
Guardian Chemical Corp. – diversifying within one field ..... Mar. 24 68
Gulf Oil Corp. – Fisher-Gulf partitioner for hydrocarbon separation ..... Jan. 21 91
Proposed merger with Warren Petroleum set ..... Mar. 17 25
Sulfur recovery unit at Port Arthur, Tex. to be enlarged ..... May 12 24
Gulf States Paper Corp. – wins tax case against city of Tuscaloosa, Ala. ..... May 19 10
Gulf Sulphur Corp. – Compania de Azufre Veracruz testing new Frasch process plant ..... Apr. 21 96
Sulfur production in Mexico ..... May 12 18
Gunnar Mines, Ltd. – ion exchange in extraction of uranium ores ..... Jan 14 58

Hammermill Paper Co. – will erect pulp and paper mill near Franklin, Pa. ..... Feb. 4 17
Hancock Chemical Co. – sulfur recovery plant at Wilmington, Calif. will double capacity ..... June 2 21
Hankins Container Co. – FTC rules on extent of stock investment by Union Bag & Paper ..... June 16 40
Harbison-Walker Refractories – basic refractories plant and industrial fire brick plant planned ..... Apr. 14 20
Refractory magnesite plant expected to start this year ..... Apr. 7 22
Harshaw Chemical Co. – stockholders authorized a 2-for-1 stock split ..... Jan. 21 16
Harvey Aluminum Co. – The Dalles, Ore. expansion – four-potline primary smelter planned ..... June 2 21
Haskell Chemical – will build synthetic resins plant in Richmond, Va. ..... Jan. 14 17
Hatco Chemical Co. – warranty suit against Superior Combustion ..... Apr. 7 36
Haveg, Industries – acquires Pla-Tank Corp. ..... Mar. 10 19
Hayden Projects – reaches tentative basis for proposed amalgamation with Illinois Zinc ..... Mar. 17 25
Hayr Chemical Co. – FTC issues cease-and-desist order fo. hair preparation ad ..... June 2 29
Hazel-Atlas Glass Co. – merger plans with Continental Can announced ..... June 16 26
Hercules Powder Co. – Biazzi process in nitroglycerine production ..... Jan. 7 58
Construction of plant for production of PE and formaldehyde ..... Jan. 28 25
Methanol plant will be first in U.S. to utilize Swiss Inventa process ..... Mar. 10 60
Model of new research center ..... June 9 118
Mono-pentaerythritol - "zero-ash" mono-PE production ..... Jan. 7 14
Plans methanol unit at Louisiana, Mo. ..... Mar. 10 11
Solid-fueled third-stage rocket for Project Vanguard ..... Apr. 14 72
Stock plan is a new step toward employee-ownership ..... Mar. 3 34
Tall oil fractionating plant is about ready ..... May 12 104
Heyden Chemical Corp. – plans resorcinol plant at Fords, N.J. ..... June 9 22
Hibernia – polypropylene pilot plant ..... Feb. 4 69
Hoffmann-LaRoche Inc. – explosion at Clifton, N.J. ..... Apr. 28 22
Hollingshead, R.M. – polyethylene-base floor polish – consumer formula for consumer favor ..... June 9 58
Honeymead Products Co. – will build vegetable oil refinery at its soybean plant at Mankato, Minn. ..... Jan. 28 25
Hooker Chemical Ltd – caustic-chlorine, Type S 3-B ..... Apr. 7 116
Hooker Electrochemical Co. – Bryant, F.L. of Niagara plant pegs pollution control as four-fold managerial responsibility ..... June 9 78
Doubling polyester resin capacity ..... Mar. 31 16
Research quantities of four new chlorofluorocarbons ..... Mar. 17 106
Horizons, Inc. – interested in tantalum ..... Apr. 7 102
Method in producing tantalum ..... Apr. 28 62
Houdry's, Eugene Oxy-Catalyst Corp. – developing catalyst for automobiles ..... June 2 84
Houdry Process Corp. – catalyst researcher Heinemann holds high hope for catalyst congress as promoter ..... Feb. 25 64
Oblad: for productive research get individualists on the team ..... Mar. 24 86
Howe Sound – Garfield, Utah, cobalt plant operating at capacity ..... Mar. 24 74
Hudson Pulp and Paper Corp. – newsprint capacity at Palatka, Fla. plant upped ..... Mar. 10 19
Humble Oil and Refining Co. – butadiene plant at Baytown, Tex. to be expanded ..... May 26 21
Landownership case filed by L.V. Strickland and others ..... Apr. 7 34
Huss-Ontonagon Pulp & Paper Co. – purchases National Containier's Ontonagon, Mich. paper mill ..... May 19 22

Hydrocarbon Research, Inc. – fluidized reduction of iron ... Mar. 31 65
Oxygen patent suit against M.W. Kellogg dismissed ... Mar. 10 37
Hynsen, Westcott & Dunning, Inc. – mercurochrome setback due to antiseptic cream ... May 12 40

Ideal Cement – signs natural gas contract .. Feb. 18 17
Illinois Zinc – reaches tentative basis for proposed amalgamation with Hayden Projects ... Mar. 17 25
Imperial Chemical Industries Ltd. – New statistical method cuts experimental work load ... Mar. 31 56
Procion dyestuffs for cold dyeing ... June 2 66
Sets up full-time apprentice program ... Mar. 17 38
Imperial Oil Co. – ethylene plant planned in the Sarnia, Ont. valley ... June 23 24
Plans dodecyl benzene plant at Sarnia, Ont. refinery ... Feb. 4 10
Imperial Paper & Color – selenium-free red pigments, Mercadium reds ... Feb. 25 59
To form Canadian subsidiary ... Mar. 17 25
Industrial Air Products – constructing liquid oxygen and argon plant in Portland, Ore. ... May 19 22
Interchemical Corp. – Angier Products acquired ... June 23 24
Shareholders will be asked to approve increasing number of shares ... Apr. 14 21
Inter-Gulf Chemical & Supply Corp. – judgment against company for failing to fulfill contract for organization of Canadian subsidiary ... Mar. 10 37
Interhandel – claim against GAF refused by U. S. Supreme Court ... Mar. 10 37
International Basic Economy Corp. – sells interest in Gould Paper to Lyons Paper ... Feb. 4 17
International Business Machines – evaluating cyanoethylated paper ... June 23 40
International Cement – to build cement plant near Chilliwack, B.C. ... Mar. 24 20
International Industries and Developments – patent infringement charge against Farbach unfounded ... Apr. 28 28
International Minerals & Chemical Corp. – employee stock purchase plan successful ... Feb. 11 40
Research director' handling of rejections. Apr. 14 59
International Paint Co., Inc. – maker of marine paints ... Apr. 28 48
International Paper Co. – merger with Long Bell Lumber potential lawsuit ... Mar. 3 10
Telescoping cardboard unit ... Mar. 17 130
To expand Baton Rouge, La. plant ... May 19 22
Will build paper mill if merger negotiations with Long Bell Lumber are concluded ... Mar. 3 16
International Salt Co. – warehouse holds 44 million lbs., boasts center tunnel for gravity loading ... Jan. 7 64
I-Sis Chemicals – strippable coating for pressure-packing ... May 12 52
Isotope Specialties – producer of over 100 tagged compounds ... Apr. 7 104
Purchased by Nuclear Corp. of America ... June 16 25
Isthmian Sulphur – sulfur production in Mexico ... May 12 18

Jefferson Chemical Co. – shipment of chemicals by ocean-going tankers ... June 2 53
Jefferson Lake Sulphur – merger rumors ... Feb. 25 21
Rotosorber process to take hydrocarbons out of well gas ... Jan. 7 13
Feb. 18 89
Sulfur from natural gas plant near Fort St. John, B.C. as a joint project with Pacific Petroleums ... May 12 24
Jem Chemical Co. – teen-age executive finds chemical manufacturing's good business but has snags ... Jan. 28 38
Johns-Manville – plans asbestos-cement plant near Stockton, Calif. ... Mar. 10 18
Johnson & Johnson – bithionol-based antiseptic cream is leading the new-product parade ... May 12 40
First Aid Cream – new medication ... Mar. 24 70

Kaiser Aluminum and Chemical Corp. – first customer for natural-gas in the Pacific Northwest ... Feb. 11 22
Informal research meetings ... Apr. 28 82
Issue of 300,000 shares has been oversubscribed ... May 12 22
Liquid bulk packaging - Nest-A-Bin, new container ... Mar. 31 80
Plans Moss Landing, Calif. and Columbiana, O. refractories ... Feb. 11 26
Sodium-chromate-treated paper sandwiched between layers of metal to prevent staining ... Mar. 3 46
Stockholders to vote on share proposal ... Apr. 21 22
Kawecki Chemical Co. – major venture in tantalum ... Apr. 7 102
Million-dollar business in new metals ... May 26 20
New process onstream for tantalum ... Apr. 28 62
Keleket X-Ray Corp. – pocket electroscope for checking radiation exposures ... May 12 46
Kellogg, M.W. – decision is "no" on process of extracting wax from Douglas fir bark ... Mar. 17 106

Decision to be made on Oregon Products Lab process to extract wax from fir bark ... Jan. 21 88
"Long-hair" experts to point way to tomorrow's top technology ... Jan. 21 22
Producing polyethylene via Phillips low-pressure, catalytic process ... Feb. 25 98
Kennco Explorations, Ltd. – Canadian exploration subsidiary of Kennecott Copper, has acquired 500 mining claims in New Brunswick ... Jan. 7 21
Kennecott Copper Co. – contact plant to be built ... Jan. 28 25
Forms Kennecott Titanium Corp. subsidiary ... May 19 22
May construct a primary titanium plant at Tonawanda, N.Y. ... May 12 22
Kentucky Hydrocarbon Co. – will construct an extraction plant for ethane, propane and butane ... Jan. 21 16
Keokuk Electro-Metals – will up silicon metal production at Wenatchee, Wash. Mar. 31 10
Kern & Currie Mfg. Co. – 1*2*3*, new oven cleaner ... Jan. 21 70
Kimberly-Clark Products Ltd. – new name for Canadian Cellu-cotton Products ... Apr. 14 21
King, E.J. & King Chemicals, Inc. – contract bidding lawsuit ... Mar. 3 34
Koppers Co. – acquired rights to German-developed refining process for benzene ... Jan. 7 57
Challenges validity of Illinois use-tax law ... Apr. 21 34
Pittsburgh expansion project ... June 30 35
Placing emphasis on coal-tar research ... June 9 94
Plans for spending new money from sale of common stock ... Feb. 25 22
Plans polyethylene plant in N.J. ... Mar. 10 11
Plans to issue 300,000 shares of common stock to finance property additions ... Feb. 11 25
Plans two plants for tar products division in Arroyo, W. Va. ... June 9 21
Polystyrene foam production - German process license hassle ... June 2 20
Sales executive development program – power-think training: spur to creativity Feb. 11 93
Tar Products Div. new maintenance system ... Apr. 28 68
Will integration from coal to organic pigments be completed? ... Jan. 21 10
Krummrich, W.G. – plant in St. Louis ... Feb. 25 35
Kuhls, H.S. Fred – sealing compounds maker ... Apr. 28 48

Lafarge Cement of North America, Ltd. – acquires site on Lulu Island, B.C. ... May 5 21
Lake Asbestos of Quebec, Ltd. – American Smelting subsidiary will build ore milling plant in Ontario ... June 2 21
Lake Charles Chemical Corp. – Fluor Corp. awarded contract to build coking and calcining unit physically integrated with Continental's Lake Charles refinery ... June 23 24
Lakeside Laboratories – profit-sharing and retirement fund equity up ... Mar. 17 36
Lavino, E.J. – will spend $4 million to double ferromanganese output ... Apr. 14 20
Lehigh Portland Cement – 2,000 acres of high-calcium limestone purchased ... Mar. 3 16
LePage's Inc. – assets purchased by Permacel Tape Corp. ... June 16 25
LeTourneau, R.G. – "Sno-Train" for Army Transportation Corp. ... May 5 53
Lever Brothers – "Big Three" antitrust case ... Feb. 18 17
Apr. 28 17
May 12 9
June 23 17
Marketing liquid detergent, Wisk ... Feb. 4 10
One-year agreement for wage increases ... Apr. 14 30
Supersize cylinders of aluminum for transporting vegetable oils ... June 16 58
"Wisk" featured in ad battle for heavy-duty liquid detergent market ... June 9 46
Leybold-Hochvakuum-Anlagen – German firm, 24% owned by National Research .. May 12 84
Lilly, Eli & Co. – arranged to purchase all the capital stock of Corn States Lab. ... Apr. 14 21
Cytellin undergoing clinical evaluation .. Mar. 31 66
Diabetes drug being tested ... Jan. 28 77
Diabetes drug, BZ-55, to be taken orally .. Feb. 25 83
Manufacturing plant at Tippecanoe Laboratories planned ... June 9 22
Reproduction of monkey kidney cells in polio research ... Apr. 28 80
Stilbestrol production ... Feb. 18 96
Linde Air Products Co. – opens new acetylene plant at Sault Ste. Marie Ont. ... Mar. 31 16
Pittsburgh expansion project ... June 30 35
Synthetic gem case settled ... May 12 30
Linden Laboratories – evaluating titanium organics for paper companies ... Mar. 3 64
Liquid Carbonic Corp. – San Francisco Bay area to get two new chemical plants ... June 23 25
Shareholders approve stock change ... Apr. 21 22
To acquire Western Oxygen, Inc. ... May 19 22
Western Oxygen, Inc. assets purchased .. June 2 21
Lithium Corp. of America – put up plant at Bessemer City, N.C. ... Apr. 7 122
Little, Arthur D. Inc. – patent development service set up for prospecting in unused patent files ... Feb. 11 46
Lone Star Cement – purchases limestone reserves near Demopolis, Ala. ... Mar. 24 20

Long Bell Lumber – merger with International Paper potential lawsuit ... Mar. 3 10
Lummus Co. – awarded contract to build pulp mill for Antler Wood Products, Ltd. ... Feb. 11 25
Will build new center for pilot-plant and development work ... Jan. 28 25
Lustr-Glo, Inc. – upholstery cleaner, Lustro-Glo, combines features of both powder and liquid ... May 26 55

Maid-Easy Cleansing Products Corp. – Maid-Easy Coffee Stain Remover gets a boost from resin makers ... June 30 112
Mallinckrodt Chemical Works – developed new method in recovery of metals ... June 23 65
Thermite reduction of uranium tetrafluoride with magnesium – AEC will sell scrap ... Jan. 28 78
Mann Research Laboratories, Inc. – Taurine, a metabolite is now being produced ... Feb. 25 64
Marquette Cement Mfg. Co. – Brandon, Miss. plant to get 450-ft. kiln, will double capacity ... Mar. 3 16
New plant in Milwaukee will include A-C-L unit and silos for cement ... Jan. 28 92
May & Baker Ltd. – weed killer, Tropotox, offered commercially ... June 9 60
Maywood Chemical Works – moderate increases in lithium chemicals production ... Apr. 7 122
McKesson & Robbins – Fair trade contracts declared to be illegal price fixing by Supreme Court ... June 23 88
What's behind phenomenal growth of company's chemical network ... Mar. 17 110
McNeil Laboratories – drug for relief of muscle spasm – Flexin ... Feb. 25 64
Medusa Portland Cement – cement plant near Wampum, Pa to be constructed ... May 26 21
Merchants Chemical Co. – 'Milk-route' delivery system for small volume acid buyers ... June 9 100
Merck & Co. – physiologist Reed Gray wins Glycerine Research Award for use of glycerine in antibiotic plant sprays ... Feb. 4 62
Streptomycin suit dismissed ... Apr. 7 10
Merck-Sharp & Dohme – analgesic called anileridine synthesized ... June 2 65
Merco Centrifugal – Dorr-Oliver will acquire control ... Feb. 11 25
Merritt, Inc. – De-Grease-It, oven cleaner ... Jan. 21 70
Mersey Paper Co., Ltd. – sale of part of property to Bowater Corp. to be voted on ... June 23 24
Metal Hydrides, Inc. – potassium borohydride process cuts costs ... May 26 38
Sodium borohydride plant to be built ... June 23 25
Metal & Thermit Corp. – expects to begin rutile-mining operations in Va. ... Apr. 21 21
To construct rutile and ilmenite plant near Montpelier, Va. ... Feb. 4 17
Metalectro Corp. – National Distillers Products acquires company ... Mar. 31 15
Metalglass Laboratories, Inc. – new Wisconsin corporation ... Feb. 4 17
Metallurgical Resources, Inc. – Sill process of treating complex ores at new plant ... Jan. 14 56
Metals Disintegrating Co. – patents suit vs Reynolds Metals ... Feb. 25 42
Metalweld, Inc. – protective coating specialists combine know-how and services to beat corrosion, contamination ... May 5 41
Mexican Gulf Sulphur – sulfur production in Mexico ... May 12 18
Michigan Chemical – first details of bromine venture with Murphy Corp. revealed ... May 5 9
Trading of firm's stock ... Jan. 21 16
Miles Laboratories – citric acid process patent infringement to be prosecuted by Ferment-Acid ... Apr. 7 32
Merger with Takamine Laboratory will boost enzyme production profits ... Feb. 18 23
Minnesota Mining & Manufacturing Co. – stock split imminent, four new chemical divisions in operation, aims 70% sales increase ... Apr. 28 23
Surface decorating plastics – invention confirmed ... Apr. 14 35
Vinyl plastic tape insulation – validity of patents upheld ... June 30 40
Mississippi Pulp and Paper – kraft paper plant planned near Columbus, Miss. ... June 30 24
Mississippi River Chemical – ammonia plant in the St. Louis area ... Feb. 25 38
Nitrate: readying for spring markets ... Feb. 11 76
Mobay Chemical – isocyanate infighting – New Martinsville, W. Va. plant capacity to be tripled ... Mar. 24 18
Polyurethanes for solderable wire coatings ... May 5 60
Sales management move ... May 26 84
Tolyl diisocyanate plant at New Martinsville, W.Va. on-stream ... Feb. 25 23
Mojonnier Associates, Inc. – low-cost setup cold-fills aerosols ... Apr. 21 50
Mojonnier-Dawson – aerosol cold-fill unit ... Mar. 10 11

Monsanto Canada, Ltd. – synthetic resin plant to be built at Clover Bar, Alta. ... June 23 25
Monsanto Chemical Co. – adipic acid plant at Luling, La. being constructed ... Feb. 4 17
British subsidiary offered plant site near Fawley ... June 9 9
Closes down its small Norfolk, Va. unit ... Mar. 31 10
Cyanoethylation of cotton textiles ... June 23 40
Cyclic urea resins capacity doubled at Everett, Mass. ... Apr. 14 20
First shipment of tertiary butylamine ... Apr. 7 102
Forms domestic subsidiaries and affiliates division ... May 5 21
Headquarters building in suburban St. Louis County and new laboratory at Creve Coeur, Mo. to be constructed ... Jan. 14 17
Headquarters buildings outside St. Louis city limits ... Feb. 25 35
Light-stabilizing system for vinyl chloride and new vinyl plasticizer introduced ... May 26 71
Liquid phosphate solution for animal feeds ... Feb. 4 79
Optical whitener for All ... Jan. 21 74
Research unveils materials for low-tack, light-stable vinyls ... June 2 39
Sales management move ... May 26 84
Signs with three international unions in company-wide boost in pension and welfare benefits ... Jan. 28 22
Synthetic silica, Styon 200 ... Apr. 7 128
Vice-president J.L. Gillis at CCDA annual meeting sees chemical and non-chemical industries blending ... Mar. 10 52
Will expand Everett, Mass. phthalic anhydride facilities ... Feb. 18 17
Montecatini – polypropylene developments Feb. 4–69, May 19–113, ... June 16-64,73,79
Monterey Oil Co. – subscription rights offered to shareholders ... June 2 21
Montgary Explorations, Ltd. – controls 99% of Alox stock ... May 26 21
Montrose Chemical Co. – to offer to public shares of common stock that have been privately held for over 20 years ... Mar. 31 14
Moreland Corp. – extron printing roller ... Jan. 14 80
Morton Salt Co. – low-calcium brine for textile industry ... Mar. 3 70
Plans new office building in Chicago ... Feb. 18 25
Motomco, Inc. – Pival series of rat poison field tested ... Jan. 28 70
Mud Products, Inc. – National Lead acquires all capital stock ... Feb. 11 25
Murphy Corp. – first details of bromine venture with Michigan Chemical revealed ... May 5 9

National Aluminate Corp. – part-time laboratory help ... May 26 74
National Aniline see Allied Chemical & Dye
National Container Corp. – to expand Jacksonville, Fla. plant ... May 5 21
National Cylinder Gas Co. – fungus fighter, cellulose complexed with copper ... Apr. 7 132
Treatment aimed at giving cotton fabrics longer life ... Mar. 31 65
National Distillers Products Corp. – acquires Metalectro Corp. ... Mar. 31 15
Ashtabula, O., plant will supply AEC with 1 million lbs a year of zirconium ... May 12 22
Sodium reduction in zirconium manufacture ... Apr. 21 60
Stock purchase plan for employees ... Mar. 17 36
Turns the corner on chemical profits – expansion timetable ... Mar. 10 16
U.S.I. backs new lab-model sodium disperser ... Jan. 7 76
U.S. Industrial Chemical Co. management-production-sales conferences ... June 2 25
USI plans zirconium plant which involves use of metallic sodium ... June 2 92
National Drug Co. – being purchased by Vick Chemical ... Feb. 11 18
Bioflavonoid drugs build up resistance to colds ... Apr. 7 130
Vick Chemical merger hits obstacle ... Mar. 3 14
National Gypsum Co. – offering subscription rights for 417,403 additional shares ... June 23 24
National Lead Co. – acquires Mud Products, Inc. ... Feb. 11 25
Antitrust case – no wholesale advance ban on mergers, says Judge Lindley ... Feb. 11 34
Canadian Titanium Pigments begins construction of plant at Varennes, Que. ... May 5 20
Dutch Boy Paints mammoth sign above the Garden State Parkway ... June 23 84
Expansion of ilmenite mine and ore processing mill at Tahawus, N.Y. ... Feb. 25 25
Investment in rutile-loaded sands of Australia is titanium supply insurance ... June 9 132
Promotion for new paint, Nalplex ... Feb. 18 64
Takes over operation of AEC's uranium processing mill at Monticello, Utah ... Apr. 7 22
Thermite reduction of uranium tetrafluoride with magnesium – AEC will sell scrap ... Jan. 28 78
Titanium organics in semiworks production ... Mar. 3 64
National Petro-Chemicals – will put up butadiene plant ... Jan. 28 80
National Research Corp. – formed Escambia together with UGC and Ebasco ... Feb. 25 40
Metals Corp. will erect plant near Pensacola, Fla. to supply AEC with zirconium ... May 12-22, 84
Tantalum and columbium research ... Apr. 28 62
National Science Foundation – industrial research survey for 1953 (chart) ... Jan. 14 40
National Starch Products – PVA plant at Meredosia, Ill. will be doubled ... Jan. 28 25
National Supply Co. – vacuum melting furnace installed at Torrance, Calif. laboratories ... Mar. 31 60
Neches Butane Products Co. – biggest U.S. butadiene producer will likely be expanded ... Jan. 28 80
World's largest with a capacity of 180,000 tons a year sold by U.S. government ... Apr. 7 27
New Idria Mining & Chemical Co. – approval asked to acquire Beaver Petroleum Corp. and Laan-Tex Oil Corp. ... May 12 22
New Jersey Zinc Co. – will acquire American Cyanamid's Gloucester City, N.J. plant ... Mar. 24 21
Niagara Mohawk Power Corp. – rock slide has little effect on chemicals ... June 16 17
Nopco Chemical Co. – discussing merger with American Viscose ... Feb. 4 9
North American Aviation – Turco process of Chem Milling ... May 26 60
North American Cyanamid Co., Ltd. – Aminotriazole unit at Welland, Ont. plant to be constructed ... May 26 21
To double nitrogen products capacity ... Mar. 17 26
Welland plant, Ont. to produce xanthate for ore flotation ... Mar. 3 16
Norton Portland Corp. – All-in-one farm equipment ... Jan. 7 42
Northwestern Glass – materials handling automation at Seattle, Wash. plant ... Mar. 31 48
Nuclear Corp. of America – acquired assets of Research Chemicals ... Apr. 14 21
Purchases Isotope Specialties Co. ... June 16 25
Nyotex Chemicals, Inc. – found not guilty in stream pollution ruling ... Feb. 25 44

Odessa Butadiene Co. – plans butadiene plant at Odessa, Tex. ... June 16 25
Ohio Chemical Pacific Co. – nitrous oxide process ... Jan. 28 77
Ohio Oil Co. – pushes pilot-plant development of process to extract uranium from lignite in association with Arthur Pew of Phila. ... Mar. 17 106
Oil Shale Corp. – contract with Denver Research Institute to conduct research on Aspeco shale oil process ... June 2 66
Holder of American rights to Aspeco pyrolysis process ... June 23 60
Olin Mathieson Chemical Corp. – aluminum project at Clarington, O. underway ... Jan. 28 17
Brunswick, Ga. new site for chlorine-caustic expansion ... May 19 19
Cellophane production expansion ... June 30 90
Chlorine-dioxide bleach process ... June 23 62
Chlorine dioxide yields from sodium chlorate ... May 26 71
Civil liability suit ... June 30 40
Coal carbonization process at aluminum plant at Clarington, O. ... Mar. 3 69
Diversification circle closed – next expansions will come from within ... Mar. 17 21
Hydrazine producer ... Apr. 14 71
Product managers ... Apr. 7 49
Seeks close alliance with heavy construction firm ... Jan. 28 22
E.R. Squibb & Sons Div. acknowledges Spray Net trademark ... June 30 40
Squibb Div. tetracycline patent suit settled ... Apr. 7 10
Squibb Institute reports big step forward in reserpine synthesis ... May 12 73
Texaco-Hydrocarbon Research partial oxidation process on coal for conversion into synthesis gas ... June 30 76
Will spend $7.5 million to double its chlorine-caustic soda output at McIntosh, Ala. ... May 12 24
Orchard Paper Co. – heavy-duty paper treated with corrosion inhibitors ... Mar. 3 46
Oregon Portland Cement Co. – cement producing capacity will be doubled ... Feb. 25 26

Pacific Chemical & Fertilizer Co. – inhibitor H-61 made and sold in Hawaii ... Feb. 25 76
Pacific Coast Borax Co. – merger with U.S. Potash approved by directors ... June 9 22
Proposal to set the company up as a separate U.S. enterprise okayed ... May 12 20
Pacific Northwest Pipeline Corp. – natural gas pipeline to Seattle dispute settled out of court ... June 9 36
Suit blocks pipeline Apr. 28–28, ... May 12 30
Pacific Petroleums, Ltd. – sulfur from natural gas plant near Fort St. John, B.C. as a joint project with Jefferson Lake Sulphur ... May 12 24
Pacquin, Inc. – Anti-Detergent demonstrated in supermarkets ... Mar. 3 42
Pan American Sulphur Co. – sulfur production in Mexico ... May 12 18
To begin work on Jalitpan Dome plant expansion ... Feb. 4 16
Pan Atlantic Steamship Co. – 'Fishy-backing' up the coast ... May 19 58
Parke, Davis & Co. – chloromycetin patent suit ... Jan. 14 34
Flexible conveyor lines ... Apr. 28 104
Mathematical formula for manpower ... May 19 60
Ultraviolet irradiation – new vaccine 'killer' ... May 19 142
Patou, Jean, Inc. – trademark suit against F. Millot dismissed ... Mar. 17 44
Pechiney Co. – joint-venture operation with Ugine ... May 26 26
Penick, S.B. – reserpine licensing ... Apr. 7 118
Pennsylvania Salt Mfg. Co. – inhibitor H-51 licensee ... Feb. 25 76
Pennsalt expansion program – five-year plans ... Apr. 7 19
Perchloryl fluoride ... May 5 71
Stockholders asked to approve merger of Pennsylvania Salt Mfg. Co. of Washington into parent co. ... Apr. 28 24
Will sell $15 million worth of debentures ... Mar. 17 17
Perkins-Elmer Corp. – gas chromatographs ... Apr. 28 79
Permacel Tape Corp. – purchases assets of LePage's Inc. ... June 16 26
Permutit Co. – ion exchange in extraction of uranium ores ... Jan. 14 58
Peterson Filters & Engineering Co. – porter column purges resin one slug at a time for continuous ion exchange ... June 9 74
Petrochemicals, Inc. – piloting polypropylene ... Feb. 4 69
Petroleum Chemicals, Inc. – ammonia plant to be built at Lake Charles, La. ... June 23 24
Plans ammonia plant at Lake Charles, La. ... Feb. 4 9
Pettit Paint Co. – marine paints maker ... Apr. 28 48
Pfizer, Chas. & Co. – Atarax, milder type of mental drug soon out ... Apr. 14 71
Citric acid process patent out-of-court settlement with Ferment-Acid ... Apr. 7 32
Moves to solve problems in selling antibiotics for flesh-food preservation ... Mar. 24 54
Sales management move ... May 26 84
Supplies raw materials and acts as company sponsor for teen-age company ... Jan. 28 38
Terre Haute, Ind. plant capacity to be doubled ... Feb. 4 16
Tetracycline patent suit settled ... Apr. 7 10
Philadelphia Quartz Co. – synthetic silica ... Apr. 7 128
Phillips Chemical Co. – carbon black capacity in the Gulf Coast area will be added ... Mar. 3 16
Polyethylene with low levels of HAF carbon black may find use in heavy-duty truck tires ... June 2 66
Sulfur plant will be built in Andrews County, Tex. ... May 12 24
Phillips Pacific Chemical Co. – will erect anhydrous ammonia plant ... Jan. 28 25
Phillips Petroleum Co. – court o.k. to continue building private railroad ... Apr. 28 17
Directors vote for stock split ... May 5 21
Petroleum-base fuel for king-size rocket tested ... Apr. 14 72
Stockholder suit ... May 5 10
Texas row with Southern Pacific RR over Phillips proposal to link Houston Ship Channel site with belt line brought to court ... Apr. 21 10
Pine Chemicals, Inc. – first continuous process for refining pine sap turns out high-quality rosin ... Apr. 21 66
Pionair Products Co., Inc. – Wax-Wiz – automatic floor waxer ... June 9 54
Pioneers, Inc. – battery additive charges dropped ... June 2 29
Pitman-Moore – sales management move ... May 26 84
Pittsburgh Coke & Chemical Co. – expansion project ... June 30 35
Fine Chemicals Div. sales force taken over by Koppers ... Jan. 21 10
Ground breaking for Neville Island phthalic anhydride unit ... Mar. 24 14
Pittsburgh Consolidation Coal Co. – coal carbonization process put to test ... Mar. 3 69
Plasti-Glas, Inc. – reinforced plastics in trailer-truck design ... May 5 54
Plastone-Turtle Wax Co. – weather-forecasting display ... June 30 114
Plough, Inc. – merger with Musterole Co. and E.W. Rose planned ... Feb. 11 25
Polymer Corp. – plans Canadian butadiene plant ... Feb. 11 25
Polyvinyl Chemicals, Inc. – Stahl Finish Div. incorporated at Peabody, Mass. ... June 2 21
Port Pirie – Australia's separation plant uses ion exchange with hard-to-treat uranium ores ... Feb. 25 104
Potash Co. of America – phosphate expansion planned ... June 9 9
Signs contract with Saskatchewan government to develop and produce magnesium ... Mar. 31 16
Prairie States Oil and Grease Co. – alleged to have started antitrust investigation of antifreeze ... May 12 9

Prismo – plastic type paint applied in molten state ... May 19 119
Procter & Gamble – Ad battle featuring liquid detergent "Biz" to counter Lever's "Wisk" ... June 9 46
ADA still testing Crest toothpaste ... Feb. 4 10
"Big Three" antitrust case Feb. 18–17, Apr. 28–17, May 12–9, ... June 23 17
Biz, heavy-duty liquid detergent, introduced in three test markets ... May 26 10
Buckeye Cellulose Corp. will add new cellulose pulp capacity at its Foley, Fla. mill ... Apr. 14 20
Comet cleanser – new entry in household scouring powder field ... May 19 118
Company-wide pollution control program ... Jan. 28 98
Fluoride-containing Crest dentifrice ... Jan. 28 68
GAW rejected: alternates picked ... Feb. 18 35
Stockholders approved a 2-for-1 split of common stock ... June 2 21
Stockholders to vote on split of common stock ... Feb. 25 25
Will expand in Cincinnati ... Jan. 21 16
Publicker Industries – alcohol butadiene plant leased from the government might have two additional units running ... Jan. 28 80
Fights sale of U.S. butadiene plant to Union Carbide and Carbon ... June 9 18
New question in rubber debate: can Publicker buy or long-lease Louisville butadiene unit? ... Feb. 11 23
Purex Corp. Ltd. – Beads O'Bleach – first dry bleach to go into national distribution ... Apr. 21 48
Purchases manufacturer of Sweetheart Soap, another threat to "Big Three" ... June 9 46
Voted to acquire Manhattan Soap Co. ... June 2 21
Pyrene Manufacturing Co. – merger effective under new name, Pyrene-C-O-Two Corp. ... Jan. 14 17

Quaker Oats – research director rejects suggestions ... Apr. 14 59
Tetrahydrofurfuryl production ... Apr. 7 116
Queeny, John F. – plant in St. Louis ... Feb. 25 35

Rainbow Production – merger plans with Alco Oil & Chemical ... Mar. 31 16
Raymond Laboratories, Inc. – odorless permanent wave ... Apr. 14 44
Rayonier, Inc. – commission refuses permit to continue present methods of liquor disposal ... June 30 9
Georgia task group probes pollution from Jesup, Ga. cellulose plant ... Mar. 24 20
Jesup, Ga. plant water pollution fracas ... Feb. 25 24
Will build tall oil plant at Jesup, Ga. near its cellulose operation ... Jan. 14 17
Read Drug & Chemical Co. – Colgate-Carter aerosol shave cream suit for a review ... Apr. 7 130
Reen'o Sales Corp. – Reeno stain remover gets a boost from resin makers ... June 30 112
Reflecto Therm, Inc. – cooling system uses reflectors and cold panels to absorb radiant heat ... Mar. 10 40
Reichhold Chemical Inc. – merger with Catalin within three months planned ... Apr. 14 17
Pentaerythritol know-how court case Feb. 18–23, ... Feb. 25 17
Wins tax case against city of Tuscaloosa, Ala. ... May 19 10
Republic Cement Corp. – will add cement unit at Drake, Ariz. ... Apr. 21 22
Republic Steel Corp. – arrangements with Crane Co. to take over half interest in titanium-sponge-producing Cramet, Inc. ... June 23 24
Cramet's titanium operations will be shored up by Republic's purchase of a 50% interest ... Feb. 4 13
Revere Copper and Brass – aluminum plant site sought ... May 5 21
Reynolds Metals Corp. – alumina facilities expanded by 50% at La Quinta, Tex. plant ... Mar. 3 16
Caustic soda recovery plant to be installed at Longview, Wash. smelter ... June 9 22
Directors have approved sale of an issue of 800,000 shares of preferred stock ... Jan. 14 17
Fluoride appeal filed ... Jan. 14 36
Offers to take on new role – nation-wide school building expediter ... Feb. 18 32
Patents infringement suit vs Metals Disintegrating ... Feb. 25 42
Primary aluminum production in the Baie Comeau area ... Apr. 14 20
To hike aluminum smelting capacity at Jones Mill, Ark. plant ... Feb. 18 24
Richfield Oil Corp. – catalytic reforming unit being built at Long Beach, Calif. ... May 26 21
Company plugs for desired legislation ... Jan. 28 34
Ridge Chemical & Supply Co. – incorporated at Johnston, S.C. ... June 2 21
Robeson-Preserve Co. – invisible coating based on silicone ... May 12 42
Rohm & Haas Co. – acrylic lacquer ... Apr. 28 58
Acrylic route to profits ... June 9 19
Arranged with a group of banks to borrow up to $19.2 million before 1961 ... June 2 21
Government selling remaining interest ... June 30 22
Plans acetylene-from-natural-gas plant for production of acrylates ... Jan. 21 87
Tertiary butylamines production ... Apr. 7 102
Vinyl plasticizer suit filed against General Mills ... Mar. 3 10
Ross Products, Inc. – trade agreement with German rubber producer may raise legal questions ... Apr. 7 21
Royal Dutch – mononitrotoluene made from petroleum in 1907 ... Apr. 7 18
Rubinstein, Helena Inc. – accused by FTC of discriminating ... Jan. 28 42
Campaign in antipermanent lipsticks ... Jan. 28 68
Hair spray and tint in one container ... May 5 84
Ruhrgas AG – high-pressure gasification installation ... Apr. 28 79

St. Regis Paper Co. – dubbed Filtovet tape for filling operations of bags reduces blowback ... May 12 82
Hopes to gain control of Rhinelander Paper ... Feb. 18 25
Salem-Brosius, Inc. – acquires Metal Chlorides Corp. ... June 16 26
Santa Cruz Portland Cement – offers to sell cement business to Pacific Coast Aggregates ... Feb. 11 25
Schenley Industries – Schenley-Sterling lawsuit impinges on old I.G.Farben patent rights ... Jan. 14 13
Schering Corp. – Supreme Court refuses to hear patent plea – company looks for new ways to save its patents ... June 9 17
Will have to license its patents ... June 2 10
Schilling-Hillier – charges against Virginia-Carolina on fungicide license agreement ... May 12 28
Scholven Chemie – light-oil catalytic pressure refining process for benzene ... Jan. 7 57
Schrock Bros – to distribute output of Calumet Nitrogen's new ammonia plant ... Feb. 25 52
Scientific Design – opens new lithium route as growing demand spurs expansions with older processes ... Feb. 11 60
Scientific Oil Compounding Co. – Cunilate Wood Seal for treating food containers ... May 19 122
Scott Paper Co. – discussing with Nova Scotia government possibility of building chemical pulp mill ... Jan. 28 25
FTC charges that acquisition of Soundview Pulp, Detroit Sulphite and Hollingsworth & Whitney violates the antimerger clause ... June 23 32
Searle, C. D. – acquires site outside Wheeling, Ill. ... Mar. 17 25
Searle, G.D. & Co. – anabolic entry – Nilevar ... May 5 62
Selfco – CE's interests sold to Escambia Bay, curtails fertilizer operations in the Midwest ... Feb. 25 52
Sequoia Process Corp. – Hyrad irradiation ... May 5 46
Irradiated polyethylene, Hyrad, for wire and pipe coatings ... Mar. 24 74
Readying a radiation treatment for plastic wire coating ... Jan. 21 88
Shawinigan, S.A., Ltd. – to expand phenol unit in Montreal East, Quebec ... June 16 25
Shawinigan Chemicals, Ltd. – will construct contact unit ... Jan. 28 25
Shawinigan Resins Corp. – polyurethanes for solderable wire coatings ... May 5 60
Shea Chemical Corp. – expansion of phosphorus capacity at Columbia, Tenn. halfway toward completion ... Jan. 7 20
Expansion program 80% complete ... June 9 128
Liquid phosphate supplements being produced ... Feb. 18 99
Plans sodium phosphate and phosphoric acid plant at Miller Switch, Tex. ... Feb. 4 17
Sheer-Korman Associates, Inc. – high-intensity arc: new way to get scarce metals ... Mar. 17 58
Sheffield Chemical Co. – now a separate operating division of Sheffield Farms Co. ... Feb. 4 17
Shell Chemical Co. – English shell plans Ziegler plant in Surrey ... May 19 113
Glycerine shipped by sea ... Mar. 3 87
Hydrogen peroxide unit under construction ... Mar. 3 72
Improved glycerine synthesis processes ... Mar. 24 44
Method of using hydrogen peroxide as hydroxylating agent to make glycerine ... Apr. 21 59
J. J. O'Connell heads SAACI educational program committee ... Apr. 28 106
Pulp bleached with hydrogen peroxide ... Feb. 25 84
VPI (vapor phase inhibitor) chemicals ... Mar. 3 46
Shell Oil Co. – two-stage fluid cat-cracking process ... May 19 135
Shell Oil Co. of Canada – dodecyl benzene plant planned at Montreal East, Que. ... June 30 24
Sherwood Refining Co. – petrochemicals production facilities will be expanded at Houston, Tex. ... June 2 23
Shulton Inc. – privately held company sells stocks ... Apr. 14 19
Sinclair Oil – agrees to sell Westpan Hydrocarbon to Jalco, Inc. ... Feb. 11 25
Sinclair Research Laboratories – volunteers' injuries – company liable court rules ... Apr. 21 32
Smith, Kline & French Laboratories – dismissed from charge on brokerage fees ... Feb. 25 42
Snell, F. D. – chemical windshield wiper for jet planes ... Apr. 21 52
Societe Norvegienne de l'Azote et de Forces Hydro-Electriques – Nitrates-joint-venture operation ... May 26 26
Socony Mobil Laboratories – petroleum wax strengtheners ... Mar. 31 58
Southern California Edison Co. – smog abatement research ... Feb. 25 84
Southern Pacific RR – asks injunction against Phillips Petroleum proposal to link Houston Ship Channel site with belt line operated by Phillips ... Apr. 21 10
Specific Pharmaceuticals – Stilbestrol production ... Feb. 18 96
Spencer Chemical – ethylene purification plant ... Apr. 28 72
Purchases assets of Parker-Browne Co. ... Feb. 11 18
To expand formaldehyde capacity at Calumet City ... Mar. 31 16
Sperry Rand Corp. – planning to build two electronic equipment plants in Arizona ... Mar. 3 32
Standard Oil of Calif. – granted British patent on process for making ferrocene ... Mar. 24 73
Stock split ... May 19 22
Standard Oil of Indiana – Clayton Act's "good faith" clause and Supreme Court decision of 1951 ... May 12 30
Reorganization of subsidiaries planned ... Mar. 31 10
Rigid-polyethylene process will get its first commercial tryout ... June 23 65
Standard Oil (Ohio) – microballoons gaining acceptance in oil industry ... Apr. 28 79
Plans new refinery facilities at Toledo ... Mar. 31 16
Standard Sulphur Co. – Texas farmer sues ... June 16 40
Standard Ultramarine & Color – pleaded guilty to antitrust charges ... Mar. 3 15
Stauffer Chemical Co. – benzene hexachloride process ... Jan. 21 87
Consolidated Chemical Industries Div. lawsuit vs. La. Dept. of Highways ... June 2 9
Disclaimer on soil fumigant label ... Jan. 14 14
Expanding Niagara Falls caustic plant Mar. 24–20, ... Apr. 21 21
Los Angeles fertilizer mixing plant – old process learns a new trick ... Feb. 18 72
Merger with West End Chemical foreseen ... May 19 10
Organization pattern based on product lines ... Apr. 14 26
Part-time researchers do a good job says Hobart Thomas ... May 26 76
Purchases stock of San Francisco Chemical from Mountain Copper Co. ... June 9 9
Soil fumigant label law-suit ... Jan. 28 32
Sulfuric acid unit at Dominquez, Cal. to be built ... Apr. 14 20
To use sales services of Wilson & George Meyer & Co. ... Feb. 18 17
Transportation director John Carlson wants traffic men on top management teams ... Apr. 14 76
Will merge with West End Chemical ... Mar. 17 17
Stayner Corp. – Merosol, painless antiseptic ... May 12 40
Stearns-Roger Mfg. Co. – Aspeco shale oil process to be tested in new unit ... June 2 66
Denver Research Institute lets contacts for construction of world's first Aspeco process shale oil plant ... June 2 23
Stein, Hall & Co., Inc. – resin and textile chemicals plant at Charlotte, N.C. expected to be completed at the end of 1956 ... May 26 21
Stepgan Chemical Co. – expansion of Joliet, Ill. site ... Apr. 14 9
Sues one-time consultant over TEL plant design ... June 16 18
Sterling Drug Co. – Bayer trademark for nose drops and nose spray ... May 5 78
Operations in Puerto Rico ... Jan. 28 24
Trademark suit Jan. 14–13, ... Mar. 31 32
Stevens Agency – product development: panels catch on ... June 9 96
Strategic Materials Corp. – plans plant near Niagara Falls, Ont. ... Mar. 24 20
Recovery process for aluminum waste ... Apr. 14 20
Strategic Minerals Corp. – ferromanganese recovery plant to be built in New Brunswick, Canada ... June 23 25
Sumner Chemical Co. – chemical case brings test of new tariff law on protection against imports ... Feb. 11 38
Sun Oil Co. – booklet "Should your child choose a career in science" to be distributed in connection with Franklin celebration ... Jan. 14 13
Reconstruction at Marcus Hook, Pa. ammonia plant beginning ... Apr. 28 22
Suntide Oil – refinery at Corpus Christi will build unit to upgrade gasoline and produce petrochemicals ... Apr. 14 20
Superior Combustion Industries – warranty suit ... Apr. 7 36
Swift & Co. – research director's handling of rejections ... Apr. 14 59

Researchers informal meetings ... Apr. 28 82
Switzer Bros. – letterpress ink in six colors ... Apr. 7 133
Sylvania Electric Products, Inc. – program to expand fuel element production facilities ... Apr. 21 68

Takamine Laboratory – purchase by Miles Laboratories will boost enzyme production profits ... Feb. 18 23
Temp-Resisto Corp. – Milium patents suit ... Apr. 14 35
Tennessee Eastman – decision to commercialize Verel, caps off rash of activity ... Mar. 24 73
Verel production will be commercial ... June 2 17
Tennessee Products & Chemical Corp. – to start production of ferromanganese at Rockwood, Tenn. plant ... June 16 25
Texas-Adams Oil – acquires U.S. Sulphur Co. ... Mar. 24 21
Texas Butadiene & Chemical Corp. – going ahead with proposed plant ... Jan. 28 80
Places first mortgage notes due 1963 ... May 5 21
Texas City Chemicals – plant doors closed – on the market for a buyer ... Mar. 10 17
Texas Co. – jet fuel research lab ... June 9 112
Texas-Eastman – plans increased polyethylene production ... Mar. 10 11
Rigid-polyethylene process will get its first commercial tryout ... June 23 65
Texas Gas Corp. – looking into feasibility of recovering petrochemical raw materials from its reserves ... June 9 9
Texas Gulf Sulphur – Frasch extraction plant planned in Jefferson County, Tex. ... Mar. 10 12
Sulfur production in Mexico ... May 12 18
Texas International Sulphur Co. – Stockholders approve increase in capital shares ... May 19 22
Unusual concession grant from the Mexican government ... May 12 18
Texas-U.S. Chemical – butadiene-styrene copolymer producing capacity will be boosted ... Feb. 25 26
Improvement within rubber grades – type 1551 introduced ... June 30 20
Texize Chemicals – issued convertible debentures to finance plant expansion ... Apr. 14 21
Textron, Inc. – Ameratron Corp. proposed to conduct textile business ... May 26 21
Textron American – will acquire stock of General Cement Mfg. Co. ... Mar. 17 25
Thermoid Co. – indictment for allegedly filing false financial reports with N.Y. Stock Exchange ... May 5 34
Thiokol Chemical Corp. – rocket and guided missile production plant and research center at Connors Springs, Calif. ... May 26 21
Stock issue to help build new rocket research center near Ogden, Utah ... June 23 23
Stock offered to present shareholders ... June 9 22
Thiokol ZL-239 prepolymer – new material for synthetic-sponge makers ... Apr. 28 58
Thomasset Colors, Inc. – anticipating doubled sales of phthalocyanine pigments ... Jan. 7 13
Thompson Fiber Glass, H.I. Co. – offers capital stock for public sale ... Mar. 24 20
Thor Corp. – Allied Paper Mills Div. proposed pulp mill ... Apr. 14 20
Titanium Metals Corp. – will boost titanium production capacity by 67% ... Mar. 31 13
Tracerlab, Inc. – badge service for checking radiation exposures ... May 12 46
Started radiochemical processing ... Apr. 7 104
Transparent Package Co. – edible films patent ... Jan. 28 78
Trubek Laboratories – Truland Chemical operates as a separate division for refining of solvents ... June 23 58
Truland Chemical Div. will triple refining capacity for producing petrochemical by-products ... Apr. 14 20
Truland Chemical Co. – refining of solvents ... June 23 58
Turco Products, Inc. – specialty firm becomes important factor in metal-working business – licensee of Chem Milling process and supplier and researcher of chemicals used in metal-etching process ... June 9 52

Ultra Chemical Works – integration into Witco ... Apr. 7 20
Underwriters Laboratories – tax exemption battle ... Apr. 28 86
Union Bag & Paper Co. – FTC rules on extent of stock investment in Hankins Container Co. ... June 16 40
Plans merger with Camp Mfg. Co. ... June 16 25
Stockholders will vote on a proposed merger with Camp Mfg. ... June 30 24
Tall oil expansion ... May 12 104
Union Bay State Chemical Co. – name changed to UBS Chemical ... May 26 22
Union Carbide and Carbon – Bakelite Div. developes high-speed sealing of polyethylene film ... June 23 88
Carbide and Carbon Realty Div. will build office and warehouse in Houston, Tex. ... Apr. 7 22
Electro Metallurgical Co. doing research on tantalum ... Apr. 28 62

Elektromet will have to fight antitrust suit ... Feb. 25 17
Fernandina Beach, Fla. titanium-bearing sands will be mined ... May 26 21
5% of nations silicone business ... Feb. 25 87
High bidder on U.S. butadiene plant, but Publicker and Justice Dept. fight sale ... June 9 18
Low-pressure polyethylene capacity to be boosted ... June 23 65
Partnership pact links Carbide and South Charleston in waste-handling project ... Mar. 31 25
Polyethylene plant in Brazil ... Feb. 25 25
Silicones Div. has classes for new employees ... Apr. 14 32
Vanadium antitrust case – how does merger affect a firm's antitrust liability? ... June 9 30
Union Carbide International – polyethylene plant in Scotland ... Jan. 21 59
Union Carbide Nuclear – Plans uranium processing mill near Rifle, Colo. ... June 16 25
Will join forces with Catalytic Construction to submit proposal to AEC ... May 26 17
Union Chemical & Materials Corp. – Frontier Chemical Div. plant for chlorine and caustic soda – addition planned ... Feb. 25 26
Stocks offered for public sale ... June 9 22
Union Oil Co. – against unitization of oil fields ... Jan. 28 34
Agreed to sell convertible debentures to Gulf Oil ... Apr. 14 21
UC-54, corrosion inhibitor ... Feb. 25 76
Union Rheinische Braunkohlen Kraftsoff – generator to gasify low-grade fuels ... May 12 74
United Cork Co. – acquires Badische Anilin licenses ... Apr. 21 22
Polystyrene foam plant planned in New Brunswick, N.Y., using German process ... June 2 20
United Dye & Chemical Corp. – acquired controlling interest in Bon Ami Co. ... May 12 22
Stockholders to vote on merger of Handridge Oil Corp. ... Feb. 25 25
United Gas Corp. – formed Escambia together with Ebasco and National Research Corp. ... Feb. 25 40
U.S. Potash Co. – merger with Borax Consolidated, Ltd. discussed ... May 5 9
Merger with Pacific Coast Borax approved by directors ... June 9 22
PCB to consolidate with U.S. Potash ... May 12 20
U.S. Rubber – Naugatuck Chemical Div.'s Kralastic as pipe material ... Jan. 14 76
Naugatuck Chemical Div. to double capacity of Baton Rouge, La. plant ... Feb. 4 16
U.S. Steel – Geneva, Utah plant coal chemicals expansion planned ... Feb. 18 17
National Tube Div.' polyvinyl chloride pipe used at a new oil producer ... Jan. 14 76
U.S. Sulphur – sold to Texas-Adams Oil Co. ... Apr. 14 21
Universal Atlas Cement – Lorain, O., site of proposed cement plant ... May 26 21
Universal Oil Products Co. – UOP 288 – new antiozidant ... Mar. 17 60
Upjohn Co. – diabetes drug to be taken orally ... Feb. 25 83
Dipaxin, new heart drug ... Mar. 3 62
Parvex, new anthelmintic for ascarids and nodular worms of swine ... Feb. 25 64
Reveals newest, most potent male hormone – Halotestin ... Apr. 21 84
Synthesis of new male sex hormone ... Apr. 14 71
Tetracycline patent suit settled ... Apr. 7 10

Van Schrader Mfg. Co. – powder type upholstery cleaner, Powder-ene ... May 26 55
Vanadium Corp. of America – plans ferroalloys plant near New Alexandria, O. ... May 19 22
Vanadium antitrust case – how does merger affect a firm's antitrust liability? ... June 9 30
Velsicol Chemical Corp. – informal research meetings ... Apr. 28 82
Verde Valley Industries – production by Jan. '57 expected for Clarkdale, Ariz. cement plant ... Mar. 24 20
Will boost cement capacity at Clarkdale, Ariz. plant ... Apr. 21 22
Vick Chemical – buying National Drug Co. ... Feb. 11 18
National Drug merger hits obstacle ... Mar. 3 14
Three-way growth plan ... Mar. 17 30
Victor Chemical – planning expansion of Chicago Heights polyphosphate facilities ... Mar. 31 16
Plans phosphorus capacity boost ... Mar. 31 10
Research director's handling of rejections ... Apr. 14 59
Research groups meetings ... Apr. 28 82
Virginia-Carolina Chemical – fungicide lawsuit vs S.A. firm ... May 12 28
Group under Rupert Zicki wants control of firm May 26–10, ... June 2 10
Long-threatened proxy fight is now certain ... Apr. 28 22
Management getting down to proxies ... June 9 10
Proxy fight gets down to issues ... May 5 18
Visking Corp. – demonstrators in supermarkets sell Miracloth ... Mar. 3 42
Directors approve sale of Fabrics Div. to Chicopee Manufacturing Corp. ... Mar. 10 19

Vitro Corp. of America – joins Crane to develop rare earth and titanium raw material sources ... Mar. 17 23
Shareholders vote to double shares of common stock ... May 5 21
Will team up with Goodrich Chemical in one bid to AEC ... May 26 17

Wah Chang Corp. – AEC contract for reactivating USBM zirconium plant at Albany, Ore. ... May 12 22
Warner-Chilcott – anticoagulant control, fine point of precision ... Mar. 3 62
Warner-Lambert Pharmaceutical Co. – merger with Emerson Drug ... Apr. 7 22
Warren Petroleum – plans petrochemical unit in Texas ... June 9 9
Proposed merger with Gulf Oil set ... Mar. 17 25
Purchases site on San Jacinto River and Wallisville Rd., Tex. ... Mar. 24 20
Washable Leather Research Corp. – development of washable leather ... May 19 97
Washburn, T.F. Co. – paint maker switching to jels ... June 23 50
Washington Laboratories, Inc. – giving up liver oil production due to increased competition from Japanese industries ... Jan. 14 17
Waskesiu Forest Products Ltd. – new company to be operators of planned sulfate pulp mill in Saskatchewan ... June 9 22
To build first pulp mill in Saskatchewan ... June 16 25
West Disinfecting Co. – Wescodyne, iodine-surface-active-agent complex stresses painlessness ... May 12 40
West End Chemical – merger with Stauffer Chemical foreseen ... May 19 10
Will install new salt cake unit at Searles Lake, Calif. plant ... Mar. 24 14
Will merge with Stauffer Chemical ... Mar. 17 17
West German Metzler Gummiwerke – trade agreement with Ross Products ... Apr. 7 21
West Virginia Pulp and Paper – tall oil expanding facilities ... May 12 104
Western Electrochemical Co. – 100% of stock acquired by American Potash & Chemical Corp. ... Jan. 7 21
Western Kraft Corp. – Albany, Ore. paper mill will double capacity ... Mar. 3 16
Plans capacity at Albany, Ore. mill ... Mar. 17 26
Westinghouse Electric – Hexafluoride clue seeker – mass spectrometer ... Jan. 21 92
Manganese-bismuth challenges rival magnetic materials ... June 30 72
Tailoring of alloys by new method ... June 30 87
Westinghouse Research Laboratories – improved photomultiplier tube ... Feb. 4 64
Westmoreland Manganese Corp. – bankruptcy sale ... Feb. 18 18
Government foreclosing on Cushman, Ark. plant ... Feb. 4 10

Westveco see Food Machinery and Chemical Corp.

Wisconsin Steel Works – coal chemical recovery to be increased ... Mar. 10 11
Witco Chemical Co. – privately held company will not sell stock to outsiders ... Apr. 7 20
Sale of oil and natural gas wells to finance more chemical operations ... Mar. 24 13
Williams, R. R. – Wash-'n-Dri paper wash-cloth sales boom ... Apr. 14 50
Wolcott Co. – Easy Off, oven cleaner, number one seller in the nation ... Jan. 21 70
Wolverine Finishes Corp. – plans unit near Morganton, N.C. ... June 16 25
Wyandotte Chemicals Corp. – first public offering of 100,000 common shares ... May 12 22
Here's what's behind the decision to build new plants in the South ... Feb. 11 22
Litigation over excessive tax rates in Michigan ... May 12 27
May sell stock on open market ... Mar. 31 9
Portland slag cement production to be doubled ... Feb. 18 25
Public market for stock shares ... June 9 22
Wyandotte Paint Products Co. – acquired by F.J. Donahue Varnish Co. ... June 2 21
Wyeth Laboratories – answers publicity criticism ... Apr. 21 73
Promazine – newest tranquilizing drug ... Mar. 10 48
Sparine promazine development ... May 5 71

Yankee Atomic Electric Co. – AEC to help develop and operate nuclear power plant ... June 16 74
Yardley of London, Inc. – accused by FTC of discriminating ... Jan. 28 42

Zeon Chemical Co. – Permaline plastic material ... May 19 119
Zonite Products – changes its name to Chemway Corp. ... Mar. 10 19
Selects Wayne Township, N.J. site for office and lab facilities ... Feb. 18 25